

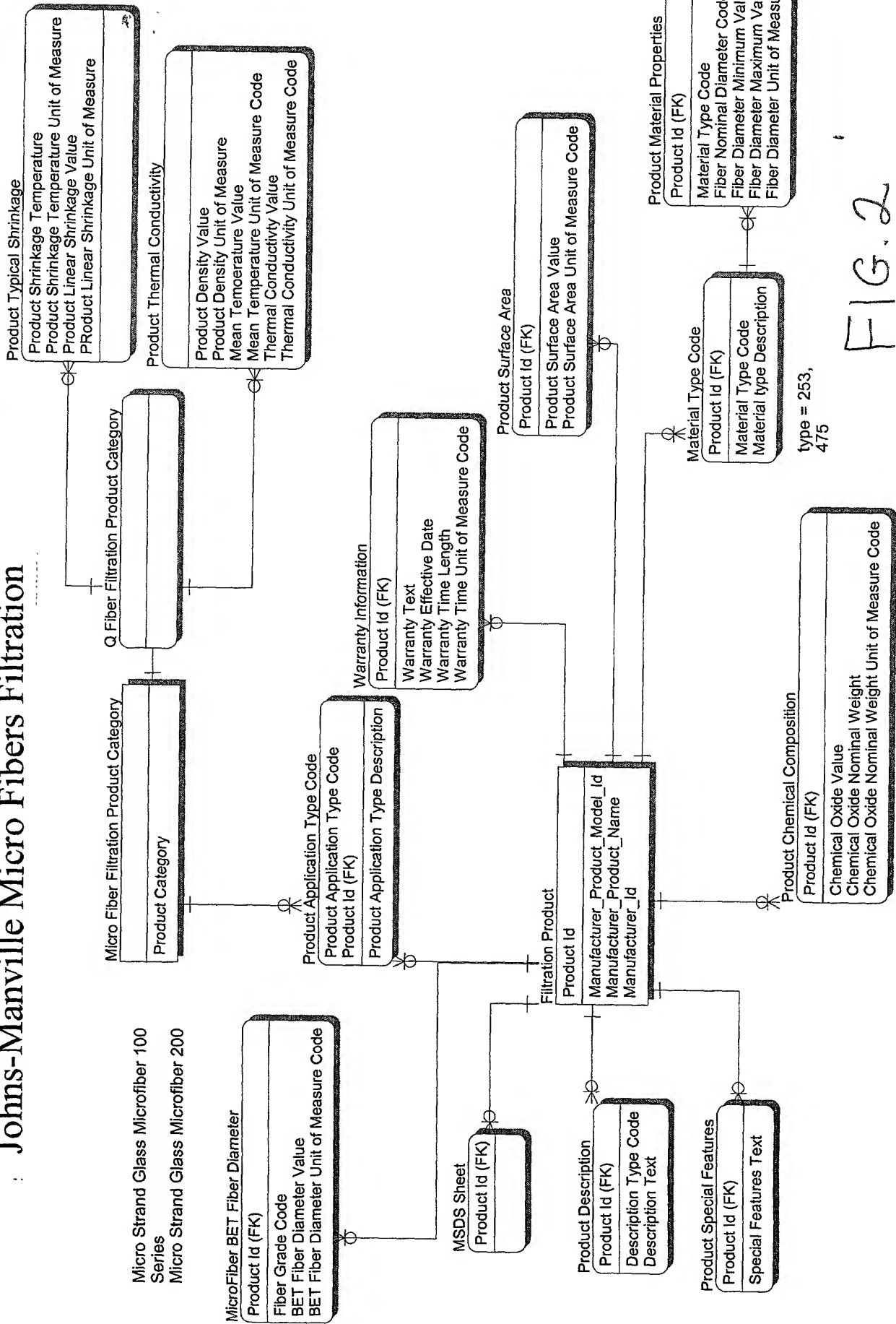
[illegible]

**FIG. 1**

**FIG. 1**

FOOT " 95302007

# Johns-Manville Micro Fibers Filtration



"File: F:\XML-firstcut\johns.manville.filtration.rev1.00.00.xml 11/30/01, 10:10:43PM

UCID

```
1 <product id="" tag_id="">
2 <description tag_id="">
3 <manufacturer id="" tag_id="">
4 <product_id value="" tag_id=""> </product_id>
5 <product_name tag_id=""> </product_name>
6 </manufacturer>
7 <category id="" tag_id="">
8 <subcategory id="" tag_id="">
9 <description_type value="" tag_id="">
10 <description_text tag_id=""> </description_text>
11 </description_type>
12 </description>
13 <uses tag_id="">
14 <usage_description tag_id=""> </usage_description>
15 </uses>
16 <chemical_composition tag_id="">
17 <chemical_oxide_value tag_id=""> </chemical_oxide_value>
18 <chemical_oxide_nominal_weight tag_id=""> </chemical_oxide_nominal_weight>
19 <chemical_oxide_nominal_weight_measurement_unit tag_id=""> </chemical_oxide_nominal_weight_measurement_unit>
20 </chemical_composition>
21 <special_features tag_id=""> </special_features>
22 <msds_data tag_id=""> </msds_data>
23 <warranty_info tag_id="">
24 <warranty_text tag_id=""> </warranty_text>
25 <effective_date value="" tag_id="">
26 <duration value="" measure="" tag_id="">
27 </warranty_info>
28 <surface_area value="" measure="" tag_id="">
29 </material tag_id="">
30 <material_type tag_id=""> </material_type>
31 <material_description tag_id=""> </material_description>
32 <material_properties tag_id="">
33 <grade value="" tag_id="">
34 <nominal_diameter_type value="" tag_id="">
35 <diameter_min_val value="" tag_id="">
36 <diameter_max_val value="" tag_id="">
37 <diameter_measurement_unit tag_id=""> </diameter_measurement_unit>
38 </material_properties>
39 </material>
40 <specifications tag_id="">
41 <shrinkage tag_id="">
42 <shrinkage_temp value="" tag_id="">
43 <shrinkage_temp_measurement_unit tag_id=""> </shrinkage_temp_measurement_unit>
44 <linear_shrinkage value="" tag_id="">
45 <linear_shrinkage_measurement_unit tag_id=""> </linear_shrinkage_measurement_unit>
46 </shrinkage>
47 <thermal tag_id="">
48 <product_density value="" tag_id="">
49 <product_density_measurement_unit tag_id=""> </product_density_measurement_unit>
50 <mean_temperature value="" tag_id="">
51 <mean_temperature_measurement_unit tag_id=""> </mean_temperature_measurement_unit>
52 <thermal_conductivity value="" tag_id="">
53 <thermal_conductivity_measurement_unit tag_id=""> </thermal_conductivity_measurement_unit>
54 </thermal>
55 </specifications>
56 </product>
```

FIG. 3A

File: F:\XML-first\johns.manville.filtration.rev1.00.00.dtd 11/30/01, 10:11:49PM

```
1 <ELEMENT category EMPTY >
2 <ATTLIST category id CDATA #REQUIRED >
3 <ATTLIST category tag_id CDATA #REQUIRED >
4
5 <ELEMENT chemical_composition ( chemical_oxide_value, chemical_oxide_nominal_weight, chemical_oxide_nominal_weight_measurement_unit ) >
6 <ATTLIST chemical_composition tag_id CDATA #REQUIRED >
7
8 <ELEMENT chemical_oxide_nominal_weight EMPTY >
9 <ATTLIST chemical_oxide_nominal_weight tag_id CDATA #REQUIRED >
10
11 <ELEMENT chemical_oxide_nominal_weight_measurement_unit EMPTY >
12 <ATTLIST chemical_oxide_nominal_weight_measurement_unit tag_id CDATA #REQUIRED >
13
14 <ELEMENT chemical_oxide_value EMPTY >
15 <ATTLIST chemical_oxide_value tag_id CDATA #REQUIRED >
16
17 <ELEMENT description ( manufacturer, category, subcategory, description_type ) >
18 <ATTLIST description tag_id CDATA #REQUIRED >
19
20 <ELEMENT description_text EMPTY >
21 <ATTLIST description_text tag_id CDATA #REQUIRED >
22
23 <ELEMENT description_type ( description_text ) >
24 <ATTLIST description_type tag_id CDATA #REQUIRED >
25 <ATTLIST description_type value CDATA #REQUIRED >
26
27 <ELEMENT diameter_max_val EMPTY >
28 <ATTLIST diameter_max_val tag_id CDATA #REQUIRED >
29 <ATTLIST diameter_max_val value CDATA #REQUIRED >
30
31 <ELEMENT diameter_measurement_unit EMPTY >
32 <ATTLIST diameter_measurement_unit tag_id CDATA #REQUIRED >
33
34 <ELEMENT diameter_min_val EMPTY >
35 <ATTLIST diameter_min_val tag_id CDATA #REQUIRED >
36 <ATTLIST diameter_min_val value CDATA #REQUIRED >
37
38 <ELEMENT duration EMPTY >
39 <ATTLIST duration measure CDATA #REQUIRED >
40 <ATTLIST duration tag_id CDATA #REQUIRED >
41 <ATTLIST duration value CDATA #REQUIRED >
42
43 <ELEMENT effective_date EMPTY >
44 <ATTLIST effective_date tag_id CDATA #REQUIRED >
45 <ATTLIST effective_date value CDATA #REQUIRED >
46
47 <ELEMENT grade EMPTY >
48 <ATTLIST grade tag_id CDATA #REQUIRED >
49 <ELEMENT category EMPTY >
50 <ATTLIST category id CDATA #REQUIRED >
51 <ATTLIST category tag_id CDATA #REQUIRED >
52
53 <ELEMENT chemical_composition ( chemical_oxide_value, chemical_oxide_nominal_weight, chemical_oxide_nominal_weight_measurement_unit ) >
54 <ATTLIST chemical_composition tag_id CDATA #REQUIRED >
55
56 <ELEMENT chemical_oxide_nominal_weight EMPTY >
```

FIG. 3B



File: F:\XML-first\johns.manville.filtration.rev1.00.00.dtd 11/30/01, 10:11:49PM

57 <ATTLIST chemical\_oxide\_nominal\_weight\_tag\_id CDATA #REQUIRED >  
58 <ELEMENT chemical\_oxide\_nominal\_weight\_measurement\_unit EMPTY >  
59 <ATTLIST chemical\_oxide\_nominal\_weight\_measurement\_unit tag\_id CDATA #REQUIRED >  
60  
61  
62 <ELEMENT chemical\_oxide\_value EMPTY >  
63 <ATTLIST chemical\_oxide\_value tag\_id CDATA #REQUIRED >  
64  
65 <ELEMENT description ( manufacturer, category, subcategory, description\_type ) >  
66 <ATTLIST description tag\_id CDATA #REQUIRED >  
67  
68 <ELEMENT description\_text EMPTY >  
69 <ATTLIST description\_text tag\_id CDATA #REQUIRED >  
70  
71 <ELEMENT description\_type ( description\_text ) >  
72 <ATTLIST description\_type tag\_id CDATA #REQUIRED >  
73 <ATTLIST description\_type value CDATA #REQUIRED >  
74  
75 <ELEMENT diameter\_max\_val EMPTY >  
76 <ATTLIST diameter\_max\_val tag\_id CDATA #REQUIRED >  
77 <ATTLIST diameter\_max\_val value CDATA #REQUIRED >  
78  
79 <ELEMENT diameter\_measurement\_unit EMPTY >  
80 <ATTLIST diameter\_measurement\_unit tag\_id CDATA #REQUIRED >  
81  
82 <ELEMENT diameter\_min\_val EMPTY >  
83 <ATTLIST diameter\_min\_val tag\_id CDATA #REQUIRED >  
84 <ATTLIST diameter\_min\_val value CDATA #REQUIRED >  
85  
86 <ELEMENT duration EMPTY >  
87 <ATTLIST duration measure CDATA #REQUIRED >  
88 <ATTLIST duration tag\_id CDATA #REQUIRED >  
89 <ATTLIST duration value CDATA #REQUIRED >  
90  
91 <ELEMENT effective\_date EMPTY >  
92 <ATTLIST effective\_date tag\_id CDATA #REQUIRED >  
93 <ATTLIST effective\_date value CDATA #REQUIRED >  
94  
95 <ELEMENT grade EMPTY >  
96 <ATTLIST grade tag\_id CDATA #REQUIRED >  
97 <ATTLIST grade value CDATA #REQUIRED >  
98  
99 <ELEMENT linear\_shrinkage EMPTY >  
100 <ATTLIST linear\_shrinkage tag\_id CDATA #REQUIRED >  
101 <ATTLIST linear\_shrinkage value CDATA #REQUIRED >  
102  
103 <ELEMENT linear\_shrinkage\_measurement\_unit EMPTY >  
104 <ATTLIST linear\_shrinkage\_measurement\_unit tag\_id CDATA #REQUIRED >  
105  
106 <ELEMENT manufacturer ( product\_id, product\_name ) >  
107 <ATTLIST manufacturer id CDATA #REQUIRED >  
108 <ATTLIST manufacturer tag\_id CDATA #REQUIRED >  
109  
110 <ELEMENT material ( material\_type, material\_description, material\_properties ) >  
111 <ATTLIST material tag\_id CDATA #REQUIRED >  
112

FIG. 3C

File: F:\XML-firstcut\johns.manville.filtration.rev1.00.00.dtd 11/30/01, 10:11:49PM

113 <ELEMENT material\_description EMPTY >  
114 <ATTLIST material\_description tag\_id CDATA #REQUIRED >  
115  
116 <ELEMENT material\_properties ( grade, nominal\_diameter\_type, diameter\_min\_val, diameter\_max\_val, diameter\_measurement\_unit ) >  
117 <ATTLIST material\_properties tag\_id CDATA #REQUIRED >  
118  
119 <ELEMENT material\_type EMPTY >  
120 <ATTLIST material\_type tag\_id CDATA #REQUIRED >  
121  
122 <ELEMENT mean\_temperature EMPTY >  
123 <ATTLIST mean\_temperature tag\_id CDATA #REQUIRED >  
124 <ATTLIST mean\_temperature value CDATA #REQUIRED >  
125  
126 <ELEMENT mean\_temperature\_measurement\_unit EMPTY >  
127 <ATTLIST mean\_temperature\_measurement\_unit tag\_id CDATA #REQUIRED >  
128  
129 <ELEMENT msds\_data EMPTY >  
130 <ATTLIST msds\_data tag\_id CDATA #REQUIRED >  
131  
132 <ELEMENT nominal\_diameter\_type EMPTY >  
133 <ATTLIST nominal\_diameter\_type tag\_id CDATA #REQUIRED >  
134 <ATTLIST nominal\_diameter\_type value CDATA #REQUIRED >  
135  
136 <ELEMENT product ( description, uses, chemical\_composition, special\_features, msds\_data, warranty\_info, surface\_area, material\_specifications ) >  
137 <ATTLIST product id CDATA #REQUIRED >  
138 <ATTLIST product tag\_id CDATA #REQUIRED >  
139  
140 <ELEMENT product\_density EMPTY >  
141 <ATTLIST product\_density tag\_id CDATA #REQUIRED >  
142 <ATTLIST product\_density value CDATA #REQUIRED >  
143  
144 <ELEMENT product\_density\_measurement\_unit EMPTY >  
145 <ATTLIST product\_density\_measurement\_unit tag\_id CDATA #REQUIRED >  
146  
147 <ELEMENT product\_id EMPTY >  
148 <ATTLIST product\_id tag\_id CDATA #REQUIRED >  
149 <ATTLIST product\_id value CDATA #REQUIRED >  
150  
151 <ELEMENT product\_name EMPTY >  
152 <ATTLIST product\_name tag\_id CDATA #REQUIRED >  
153  
154 <ELEMENT shrinkage ( shrinkage\_temp, shrinkage\_temp\_measurement\_unit, linear\_shrinkage, linear\_shrinkage\_measurement\_unit ) >  
155 <ATTLIST shrinkage tag\_id CDATA #REQUIRED >  
156  
157 <ELEMENT shrinkage\_temp EMPTY >  
158 <ATTLIST shrinkage\_temp tag\_id CDATA #REQUIRED >  
159 <ATTLIST shrinkage\_temp value CDATA #REQUIRED >  
160  
161 <ELEMENT shrinkage\_temp\_measurement\_unit EMPTY >  
162 <ATTLIST shrinkage\_temp\_measurement\_unit tag\_id CDATA #REQUIRED >  
163  
164 <ELEMENT special\_features EMPTY >  
165 <ATTLIST special\_features tag\_id CDATA #REQUIRED >  
166  
167 <ELEMENT specifications ( shrinkage, thermal ) >  
168 <ATTLIST specifications tag\_id CDATA #REQUIRED >

FIG. 3D

File: F:\XML-firstcut\johns.manville.filtration.rev1.00.00.dtd 11/30/01, 10:11:49PM

FIG. 3E

```
169 <ELEMENT subcategory EMPTY >
170 <IATTLIST subcategory id CDATA #REQUIRED >
171 <IATTLIST subcategory tag_id CDATA #REQUIRED >
172 <IATTLIST subcategory tag_id CDATA #REQUIRED >
173
174 <ELEMENT surface_area EMPTY >
175 <IATTLIST surface_area measure CDATA #REQUIRED >
176 <IATTLIST surface_area tag_id CDATA #REQUIRED >
177 <IATTLIST surface_area value CDATA #REQUIRED >
178
179 <ELEMENT thermal ( product_density, product_density_measurement_unit, mean_temperature, mean_temperature_measurement_unit, thermal_conductivity, thermal_conductivity_measurement_unit ) >
180 <IATTLIST thermal tag_id CDATA #REQUIRED >
181
182 <ELEMENT thermal_conductivity EMPTY >
183 <IATTLIST thermal_conductivity tag_id CDATA #REQUIRED >
184 <IATTLIST thermal_conductivity value CDATA #REQUIRED >
185
186 <ELEMENT thermal_conductivity_measurement_unit EMPTY >
187 <IATTLIST thermal_conductivity_measurement_unit tag_id CDATA #REQUIRED >
188
189 <ELEMENT usage_description EMPTY >
190 <IATTLIST usage_description tag_id CDATA #REQUIRED >
191
192 <ELEMENT uses ( usage_description ) >
193 <IATTLIST uses tag_id CDATA #REQUIRED >
194
195 <ELEMENT warranty_info ( warranty_text, effective_date, duration ) >
196 <IATTLIST warranty_info tag_id CDATA #REQUIRED >
197
198 <ELEMENT warranty_text EMPTY >
199 <IATTLIST warranty_text tag_id CDATA #REQUIRED >
```

FIG. 3E

FIG. 21 - 95802001

UCID

A	B	C	D	E	F	G
Data Unit ID (Item Number)	Filter Type	Product Name	Product Series	Product Description	Material	Filtration Grade
1	Air		Delta-Aire			
3						
4						
5	Air	Delta-Aire Filtration Products	DA-SP - Self Pleat Media	Self-Pleat Media	{SP - Class 2 glass scrim} or {B2 - Class 2 non-woven polyester or nylon	DA-30-SP
6	Air	Delta-Aire Filtration Products	DA-SP - Self Pleat Media	Self-Pleat Media	{SP - Class 2 glass scrim} or {B2 - Class 2 non-woven polyester or nylon	DA-40-SP
7	Air	Delta-Aire Filtration Products	DA-SP - Self Pleat Media	Self-Pleat Media	{SP - Class 2 glass scrim} or {B2 - Class 2 non-woven polyester or nylon	DA-50-SP
8	Air	Delta-Aire Filtration Products	DA-SP - Self Pleat Media	Self-Pleat Media	{SP - Class 2 glass scrim} or {B2 - Class 2 non-woven polyester or nylon	DA-60-SP
9	Air	Delta-Aire Filtration Products	DPG Series - Differential Pressure Glass	Fiber glass air filter media	B2 - Class 2 non-woven polyester	DPG-82 B2
10	Air	Delta-Aire Filtration Products	DPG Series - Differential Pressure Glass	Fiber glass air filter media	B2 - Class 2 non-woven polyester	DPG-95 B2

FIG. 21

TABLE "3B0001"

H	I	J	K	L	M	N
Media Color	Thickness - In. (mm)	Weight - gm/ft <sup>2</sup> (gm/m <sup>2</sup> )	Air Permeability - In. W.G. (Pa)	Initial Flat Sheet Particle Efficiency - %	Filtration Application Atmospheric Efficiency - %	Flammability - UL- Class
Choice of Amber, Orange, Purple, Lime Green, Brown, Yellow, (Color coded to identify efficiency ranges)						
Amber	0.16 (4.1)	11.0 (116.4)	0.03 (7.5)	4 - 8	30 -35	2
Amber	0.16 (4.1)	11.3 (121.6)	0.04 (10.0)	8-12	40-45	2
Amber	0.16 (4.1)	11.8 (127.0)	0.06 (14.9)	12-16	50-55	2
Orange	0.16 (4.1)	14.0 (150.7)	0.08 (19.9)	18-23	60-65	2
Purple	0.15 (3.8)	3.2 (34.4)	0.13 (32.4)	56-66	80-85	2
Lime Green	0.15 (3.8)	3.5 (37.7)	0.27 (67)	75-85	90-95	2

FIG. 4B

FIG. 4C

	O	P	Q	R	S	T
	Certifications	Roll Width - In. (cm)	Roll Length - In. Ft. (In. M)	Roll Cores - Chipboard ID - In. (cm)	Backings & Maximum Recommended Working Air Temperature - Degrees Fahrenheit (Degrees Celsius)	Produced As
1						
3						
4						
5	ISO-9002 Certified	12-25 (30.5-63.5)	500 (152)	2 (5.1)	250 (121) Note: this applies to (SP - Class 2 glass scrim) and (B2 - Class 2 non-woven polyester or nylon)	Roll of DA-SP series media bonded to a glass mat backing that is self-supporting when pleated and heat set
6	ISO-9002 Certified	12-25 (30.5-63.5)	500 (152)	2 (5.1)	250 (121) Note: this applies to (SP - Class 2 glass scrim) and (B2 - Class 2 non-woven polyester or nylon)	Roll of DA-SP series media bonded to a glass mat backing that is self-supporting when pleated and heat set
7	ISO-9002 Certified	12-25 (30.5-63.5)	500 (152)	2 (5.1)	250 (121) Note: this applies to (SP - Class 2 glass scrim) and (B2 - Class 2 non-woven polyester or nylon)	Roll of DA-SP series media bonded to a glass mat backing that is self-supporting when pleated and heat set
8	ISO-9002 Certified	12-25 (30.5-63.5)	500 (152)	2 (5.1)	250 (121) Note: this applies to (SP - Class 2 glass scrim) and (B2 - Class 2 non-woven polyester or nylon)	Roll of DA-SP series media bonded to a glass mat backing that is self-supporting when pleated and heat set
9	ISO-9002 Certified	12-72 (30-183)	1000 (305)	2 (5.1)	250 (121) Note: This applies to (B2 - Class 2 non-woven polyester)	Roll form, color coded for identification of efficiency ranges
10	ISO-9002 Certified	12-72 (30-183)	1000 (305)	2 (5.1)	250 (121) Note: This applies to (B2 - Class 2 non-woven polyester)	Roll form, color coded for identification of efficiency ranges

FIG. 4C

FIG. 4D

U	V	W	X	Y	Z	AA	AB
Special Features	Specific Features Available Upon Request	Uses	Ratings	Manufacturer Information	Telephone #	Internet Address	Hazard Label
Neither the media binder nor Fiber Glass support microbial growth	Custom Widths and Lengths	Panel Filters, Filters for HVAC systems, Paint Spray Booths, FDA applications, Clean Rooms	Filter Media, by itself, will meet the UL Class rating when tested in accordance with UL900 "Standard for Air Filter Units"	Johns Manville	303-978-2000	<a href="http://www.jm.com">http://www.jm.com</a>	FBG-003
Neither the media binder nor Fiber Glass support microbial growth	Custom Widths and Lengths	Panel Filters, Filters for HVAC systems, Paint Spray Booths, FDA applications, Clean Rooms	Filter Media, by itself, will meet the UL Class rating when tested in accordance with UL900 "Standard for Air Filter Units"	Johns Manville	303-978-2000	<a href="http://www.jm.com">http://www.jm.com</a>	FBG-003
Neither the media binder nor Fiber Glass support microbial growth	Custom Widths and Lengths	Panel Filters, Filters for HVAC systems, Paint Spray Booths, FDA applications, Clean Rooms	Filter Media, by itself, will meet the UL Class rating when tested in accordance with UL900 "Standard for Air Filter Units"	Johns Manville	303-978-2000	<a href="http://www.jm.com">http://www.jm.com</a>	FBG-003
Neither the media binder nor Fiber Glass support microbial growth	Custom Widths and Lengths	Panel Filters, Filters for HVAC systems, Paint Spray Booths, FDA applications, Clean Rooms	Filter Media, by itself, will meet the UL Class rating when tested in accordance with UL900 "Standard for Air Filter Units"	Johns Manville	303-978-2000	<a href="http://www.jm.com">http://www.jm.com</a>	FBG-003
Neither the media binder nor Fiber Glass support microbial growth	Custom Widths and Lengths; additional grades are available to meet specific applications	Panel Filters, Filters for HVAC systems, Paint Spray Booths, FDA applications, Clean Rooms	Filter Media, by itself, will meet the UL Class rating when tested in accordance with UL900 "Standard for Air Filter Units"	Johns Manville	303-978-2000	<a href="http://www.jm.com">http://www.jm.com</a>	FBG-003
Neither the media binder nor Fiber Glass support microbial growth	Custom Widths and Lengths; additional grades are available to meet specific applications	Panel Filters, Filters for HVAC systems, Paint Spray Booths, FDA applications, Clean Rooms	Filter Media, by itself, will meet the UL Class rating when tested in accordance with UL900 "Standard for Air Filter Units"	Johns Manville	303-978-2000	<a href="http://www.jm.com">http://www.jm.com</a>	FBG-003

FIG. 4D

# Category - Air Filtration

## Johns - Manville Delta-Aire Air Filtration

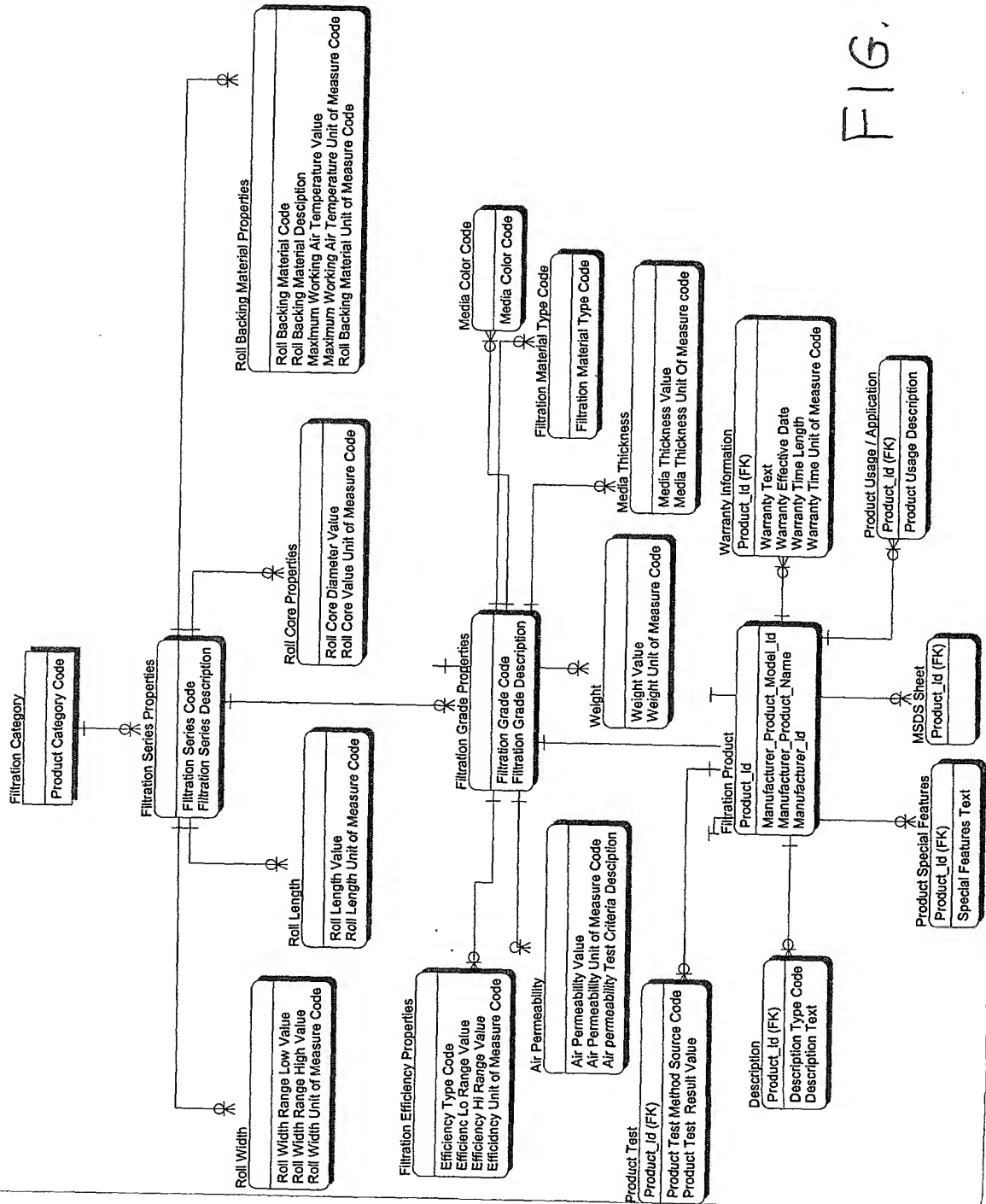


FIG. 5



# Product Category

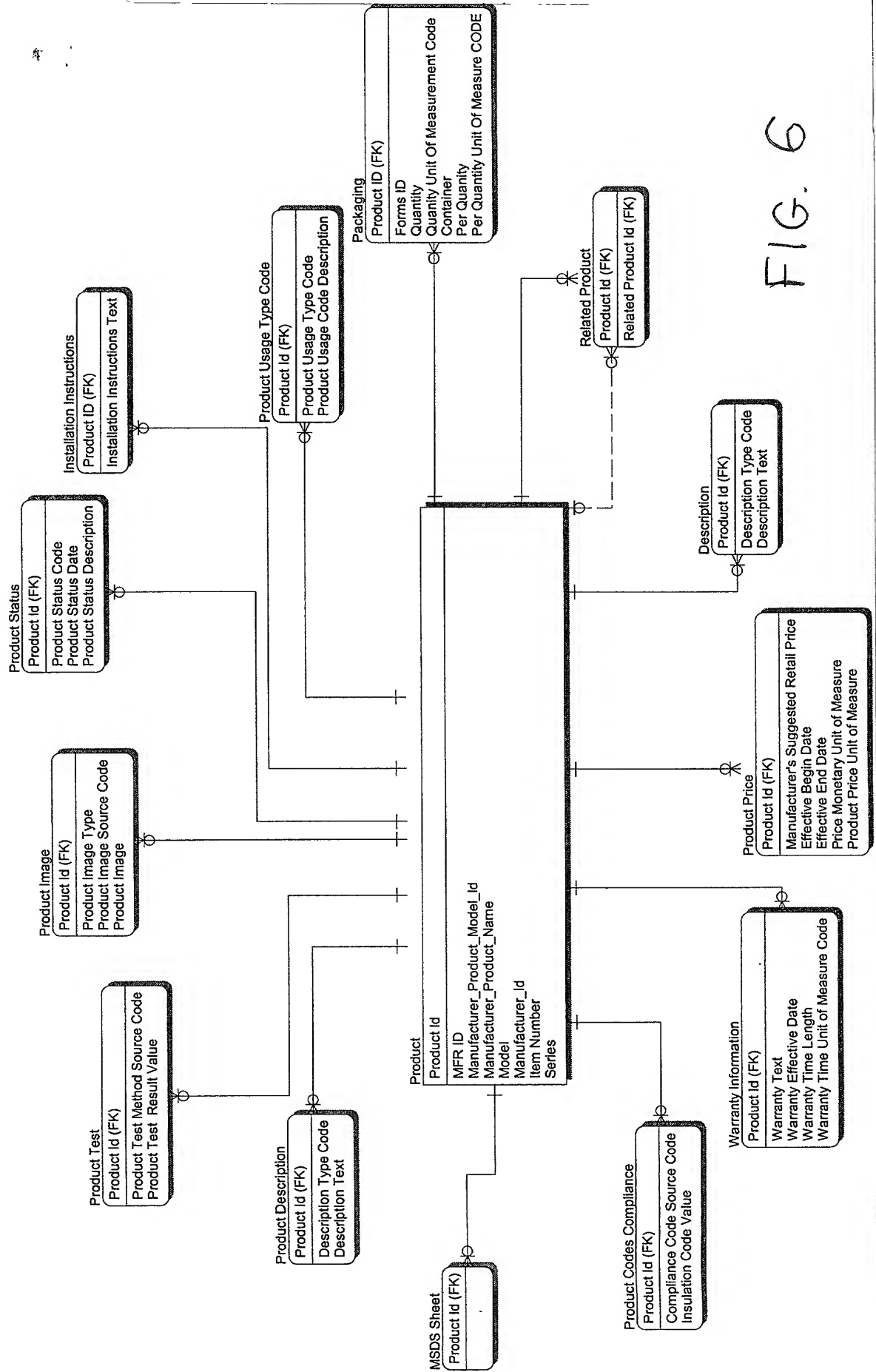


FIG. 6



DATA BUILD

Logout

Your open project is:

**Indigo Run**

To view project profile,  
click on project name.

Company

My User Profile

My Projects

My Products

Title: Assimilation, Integration and Deployment ... Technology  
Inventors: Jonathan S. Levkoff et al.  
Attorney Docket No. 10776-1U1 Cust. No. 570  
Express Mail Label No., EL6658894681US

Home / Corporate / Careers / Site Map / Contact Us

Language

U.S. English

Project Notebook Search Toolbox Reports Settings Help

UCID

Return to Report Builder

### Indigo Run Reports

Total Product Cost Report to View

Product Name	Manufacturer	Data/Built Number	Quantity	MSRP	Total Cost
<input type="checkbox"/> 1. Wood Window	Pella	123A23B7678CD7825FAC218	5	US\$ 160	US\$ 800
<input type="checkbox"/> 2. Fluorescent Light	Lithonia	56324120AB4546221CEF215	10	US\$ 50	US\$ 500
<input type="checkbox"/> 3. Toilet	American Standard	35689ADF895213005B3EF69	3	US\$ 120	US\$ 360
<input type="checkbox"/> 4. Wood Connector	Simpson	789601099ADE19708584CDE	4	US\$ 5	US\$ 20
<input type="checkbox"/> 5. Modular Brick	Triangle	7678CD7825FAC218123A23B	7	US\$ 1,500	US\$ 10,500
<input type="checkbox"/> 6. Gypsum Sheathing	National Gypsum	8CD7825FAC218123A23B767	1	US\$ 200	US\$ 200
<input type="checkbox"/> 7. Elevator	Otis	23B7678CD7825FAC218123A	1	US\$ 25,000	US\$ 25,000
<input type="checkbox"/> 8. Cement Mix	LaFarge	5FAC218123A23B7678CD782	1	US\$ 750	US\$ 750
<input type="checkbox"/> 9. Kitchen Faucet	Delta	CD7825FAC218123A23B7678	2	US\$ 90	US\$ 180
<input type="checkbox"/> 10. Wood Door	Weyerhaeuser	78CD7825FAC218123A23B76	4	US\$ 180	US\$ 720

Total Project Cost US\$ 39,030

Print Export Compare Products Edit Contents Edit Template

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FIG. 7A



DATA BULL

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Language

U.S. English

Logout

Your open project is:

**Indigo Run**

To view project profile,  
click on project name.

- Company
- My User Profile
- My Projects
- My Products

Title: Assimilation, Integration and Deployment ... Technology  
Inventors: Jonathan S. Levkoff et al.  
Attorney Docket No. 1076-1U1  
Express Mail Label No.. E1665884681US  
Cust. No. 570

Project Notebook Search Toolbox Reports Settings Help

Return to Report Builder

### Indigo Run Reports

Product Quantity Report to View

	Product Name	Manufacturer	Product Description	DataBull Number	Quantity	MSRP
<input type="checkbox"/>	1. Wood Window	Pella	Double-Hung	123A23B7678CD7825FAC218	5	US\$ 160
<input type="checkbox"/>	2. Fluorescent Light	Lithonia	2' x 4' Recessed	56324120AB4546221CEF215	10	US\$ 50
<input type="checkbox"/>	3. Toilet	American Standard	Floor Mount	35689ADF895213005B3EF69	3	US\$ 120
<input type="checkbox"/>	4. Wood Connector	Simpson	Wood-to-Wood	789601099ADE1978584GDE	4	US\$ 5
<input type="checkbox"/>	5. Modular Brick	Triangle	Standard Red	7678CD7825FAC218123A23B	7	US\$ 1,500
<input type="checkbox"/>	6. Gypsum Sheathing	National Gypsum	4' x 8' Standard	8CD7825FAC218123A23B767	1	US\$ 200
<input type="checkbox"/>	7. Elevator	Otis	Pneumatic Piston	23B7678CD7825FAC218123A	1	US\$ 25,000
<input type="checkbox"/>	8. Cement Mix	LaFarge	Standard White	5FAC218123A23B7678CD782	1	US\$ 750
<input type="checkbox"/>	9. Kitchen Faucet	Delta	Traditional	CD7825FAC218123A23B7678	2	US\$ 90
<input type="checkbox"/>	10. Wood Door	Weyerhaeuser	6-Panel Red Oak	78CD7825FAC218123A23B76	4	US\$ 180

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FIG. 7B





DATA BULL

Logout

Your open project is:

### Indigo Run

To view project profile,  
click on project name.

- Company
- My User Profile
- My Projects
- My Products

### Indigo Run Reports

- Product Name
- 1. Wood Window
- 2. Fluorescent Light
- 3. Toilet
- 4. Wood Connector
- 5. Modular Brick
- 6. Gypsum Sheathing
- 7. Elevator
- 8. Cement Mix
- 9. Kitchen Faucet
- 10. Wood Door

Print

Export

Compare Products

Edit Contents

Edit Template

### Warning

You have recently moved this project to a new location.  
Some of the products that you have selected do not meet code requirements in the new jurisdiction. It is highly recommended that you replace the following products:

DataBull Number	Manufacturer	Product Name
123A23B7678CD7825FAC218	Pella	Wood Window
56324120AB4546221CEF215	American Standard	Toilet
35689ADF895213005B3EF89	Triangle	Modular Brick
789601099ADE19708584CDE	Otis	Elevator

Find Comparable Products

Review Code

Ignore

UCID

Project Notebook Search Toolbox Reports Settings Help

Home / Corporate / Careers / Site Map / Contact Us

Language

U.S. English

Return to Report Builder

Return to Report Builder

Quantity

MSRP

21B	5	US\$ 160
215	10	US\$ 50
269	3	US\$ 120
2DE	4	US\$ 5
23B	7	US\$ 1,500
767	1	US\$ 200
23A	1	US\$ 25,000
782	1	US\$ 750
7678	2	US\$ 90
7678	4	US\$ 180

FIG. 7C





Logout

Your open project is:

None

To view project profile,  
click on project name.

Company

My User Profile

My Projects

My Products

U.S. English

Language

Home / Corporate / Careers / Site Map / Contact Us / Logout

Logout

Project Notebook

Search

Toolbox

Reports

Settings

Help

Project Preferences

Specification System:

Master Format

Project Details

Business Sector:

Choices

- ☒ Commercial
- ☐ Residential
- ☐ Infrastructure

Preliminary Budget:

US \$2,000,000

Preliminary Size:

55,000 square feet

Preliminary Completion Date:

1/21/2002

Project Type:

Developers

?

Building Type:

New Construction

?

Primary Function:

Healthcare

?

Secondary Function:

Surgical

?

Project Graphic Symbolology

☒ Application

File Name

Last Modified Date

User Name

☐ DataBuilt Default

Upload New Symbology

Finish

After project profile, team and related companies are defined, click Finish to save.

FIG. 7E



Logout

U.S. English

Language

Home / Corporate / Careers / Site Map / Contact Us / Logout

Help

Settings

Reports

Toolbox

Search

Project Notebook

## PROJECT ADMINISTRATOR PRIVILEGES ENABLED

Please edit the project profile, project team, and related companies.

Edit Project Profile Edit Project Team Edit Project Related Companies

### Project Information

Required \*

Confidential ☒

Date Created\*

10/11/2001

Project Name\*

Indigo Run

Project Number\*

3569

Country\*

USA

Postal Code\*

29910

Address\*

1476 Fording Island Rd

State/Province/Canton\*

South Carolina

City\*

Bluffton

Project Description

This is my project description.

Project e-mail Address

project@indigo-run.com

Phone Number

843-836-2168

Fax Number

843-836-2939

Project Web site Address

www.indigo-run.com









Logout

Your open project is:

None

To view project profile,  
click on project name.

Company

My User Profile

My Projects

My Products

U.S. English

Language

Home / Corporate / Careers / Site Map / Contact Us / Logout

Logout

Project Notebook

Search

Toolbox

Reports

Settings

Help

COPY <Project Name> Preferences

Specification  
System:

Master Format

COPY <Project Name> Details

Business  
Sector:

Choices

- ☒ Commercial
- ☐ Residential
- ☐ Infrastructure

Preliminary Budget:

US \$2,000,000

Preliminary Size:

55,000 square feet

Preliminary Completion Date:

12/10/2002

Project Type:

Developers

?

Primary Function:

Healthcare

?

Building Type:

New Construction

?

Secondary Function:

Surgical

?

COPY <Project Name> Graphic Symbolology

Application

File Name

Last Modified Date

User Name

☐ DataBuilt Default

Upload New Symbolology

Finish

After project profile, team and related companies are defined, click Finish to save.

FIG. 7H



DATALINK

Logout

Your open project is:

**Indigo Run**

To view project profile,  
click on project name.

Company

My User Profile

My Projects

My Products

Home / Corporate / Careers / Site Map / Contact Us / Logout

U.S. English

<Project Name> Project Profile (Read-only)

Project Profile Project Team Project Related Companies

### Project Information

#### Project Information

Project Name: Indigo Run

Project Number: 3569

Date Created: 10/11/2001

Country: USA

Postal Code: 29910

State/Province/Canton: South Carolina

City: Bluffton

Confidential: Yes

Project Address: 1476 Fording Island Rd.

Project Description: This is my project description.

Project Phone Number: 843-838-2166

Project e-mail Address: project@indigorun.com

Project Web Site: www.indigorun.com

#### Project Details

Business Sector: Commercial

Project Type: Developers - Commercial

Building Type: New Construction

Preliminary Completion

Date: 12/10/2002

Preliminary Budget: US \$2,000,000

Preliminary Size: 55,000 square feet

Primary Function: Golf Clubhouse

Secondary Function: Commercial Kitchen

#### Project Preferences

Specification System: Master Format

#### Project Graphic Symology

MicroStation J: MicroStation - Commercial

AutoCAD 2002: AutoCAD - Consultants

Close Window

FIG. 7I

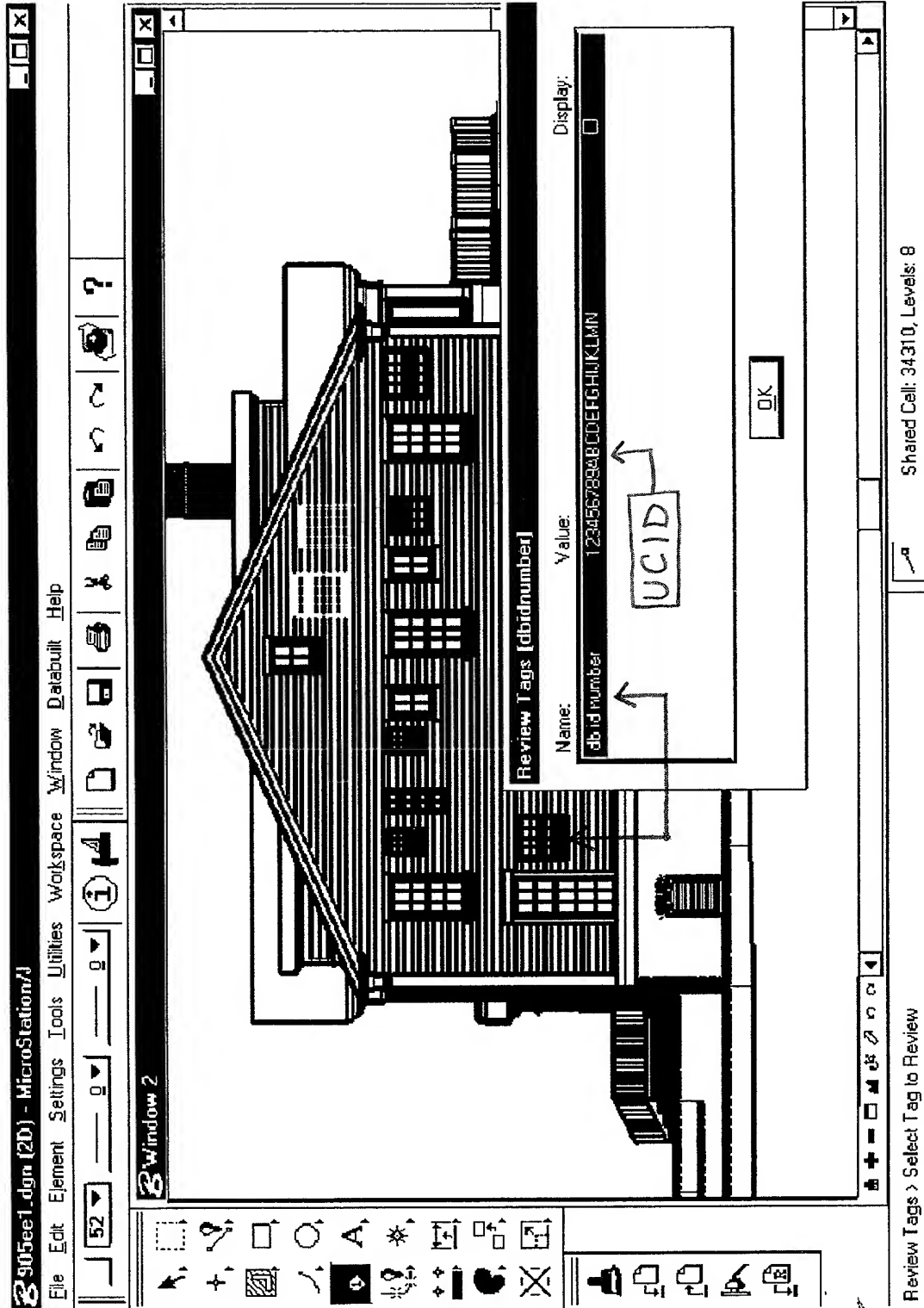


FIG. 8A

FIG. 8B

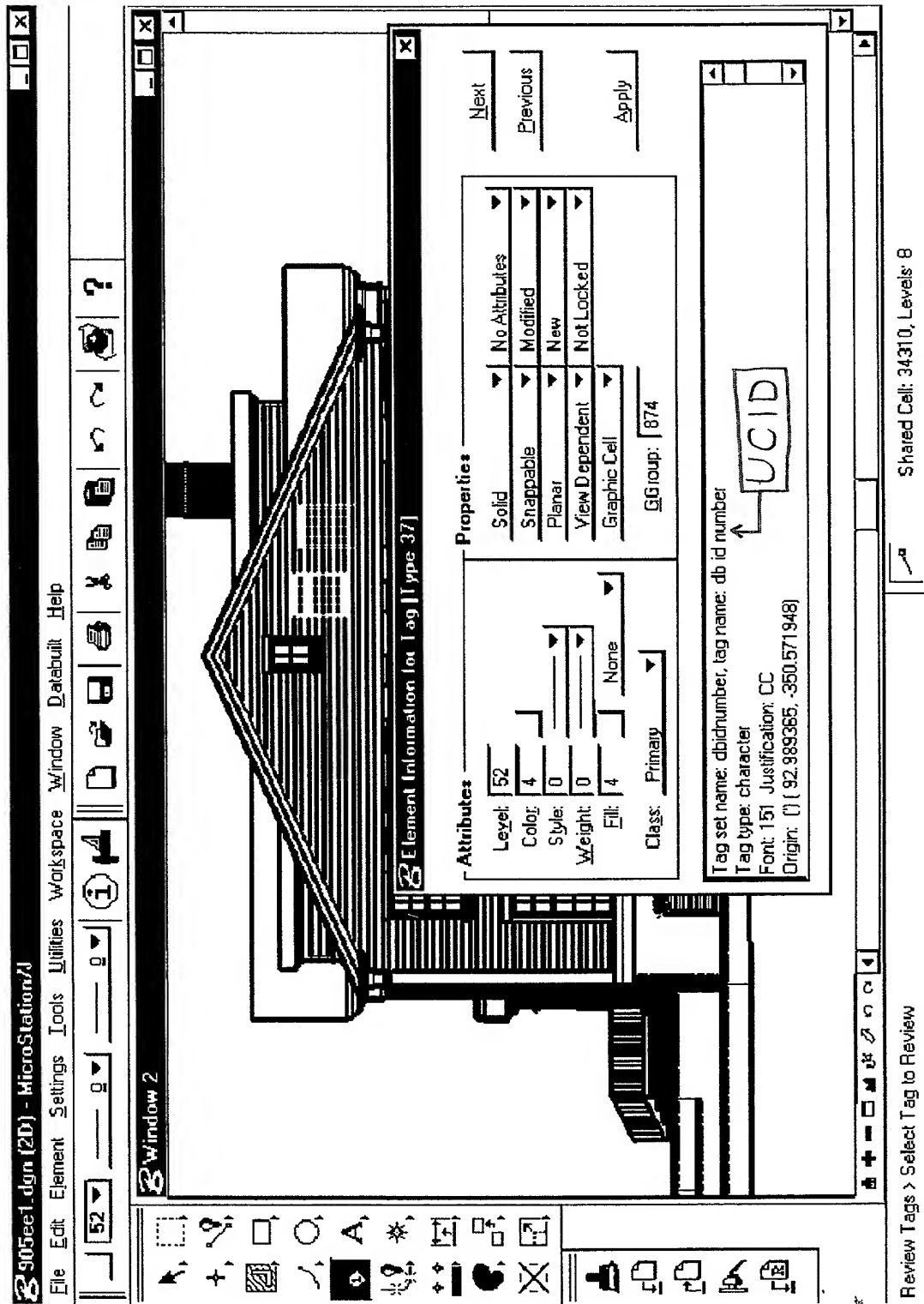


FIG. 8B

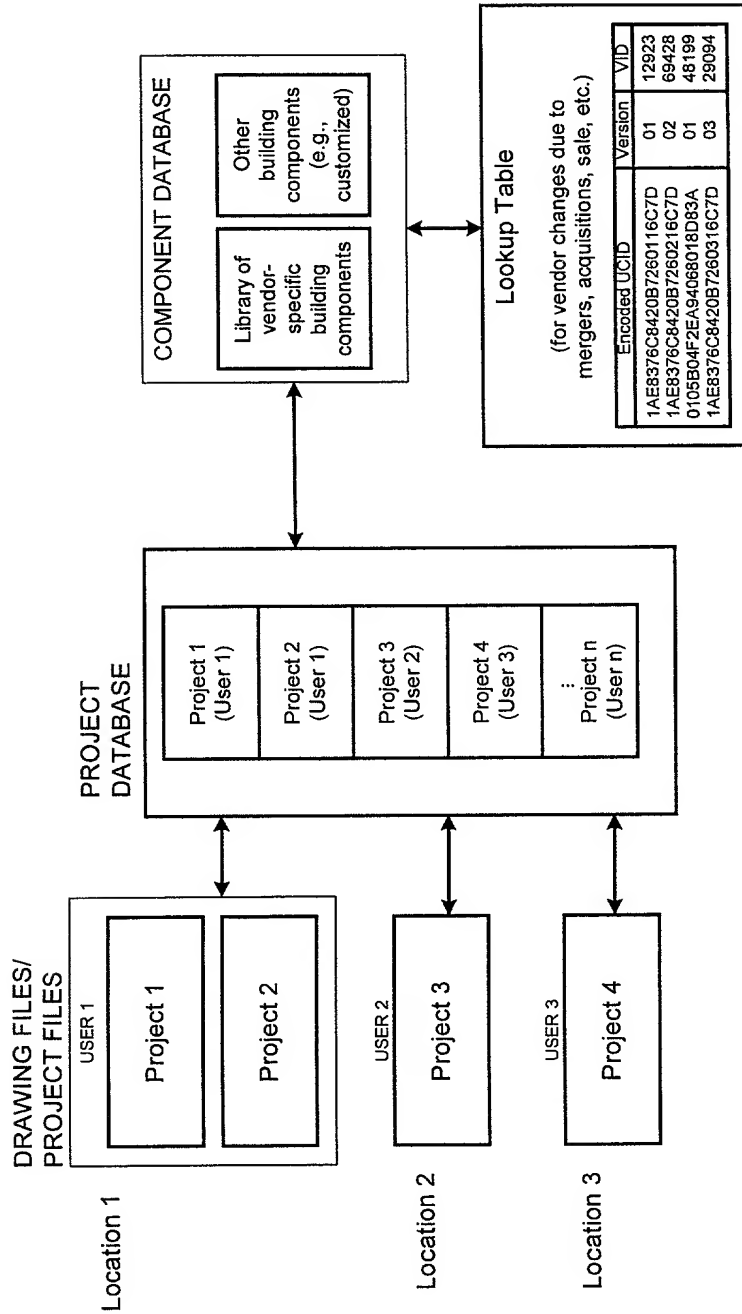


FIG. 9

"TABLE" 3330200T

VID GCID

Manufacturer	Product Name	DataBuilt Internal ID		Barcode			External Object Identifier (EOI)
		Mfr ID	Product ID	Mfr ID	Product ID	Version	
1 General Electric	3-inch Downlight	4992408	354622628234	4C2D98	529127E18A	00 73A5F	1.5.62.5.1.6.2.64.13.8.42.1.5.6.5
2 Lithonia	Recessed Accent	842562	354622628234	0CDB42	529127E18A	00 F62D8	1.5.62.5.1.6.2.64.13.8.39.1.5.5.4
3 Concord Lighting	Recessed Spot	3467626	354622628234	34E96A	529127E18A	01 A5162	1.5.62.5.1.6.2.64.13.8.42.1.5.6.5
4 Lightolier	In-Ceiling Spot	14551	12314819810	0038D7	2DE053CE2	00 251E5	1.5.62.5.1.6.2.64.13.0.42.0.7.2.0
5 Lightolier	Recessed Hi-Hat	14551	29348577299	0038D7	06D54FC013	00 82335	1.5.62.5.1.6.2.64.13.8.42.1.5.6.9
6 Champion Lighting	3 Inch Spot	241563	99274902850	03AF9B	171D3ECD42	00 D9391	1.5.62.5.1.6.2.64.13.6.42.1.5.6.9

unencoded UCID encoded UCID

FIG. 10

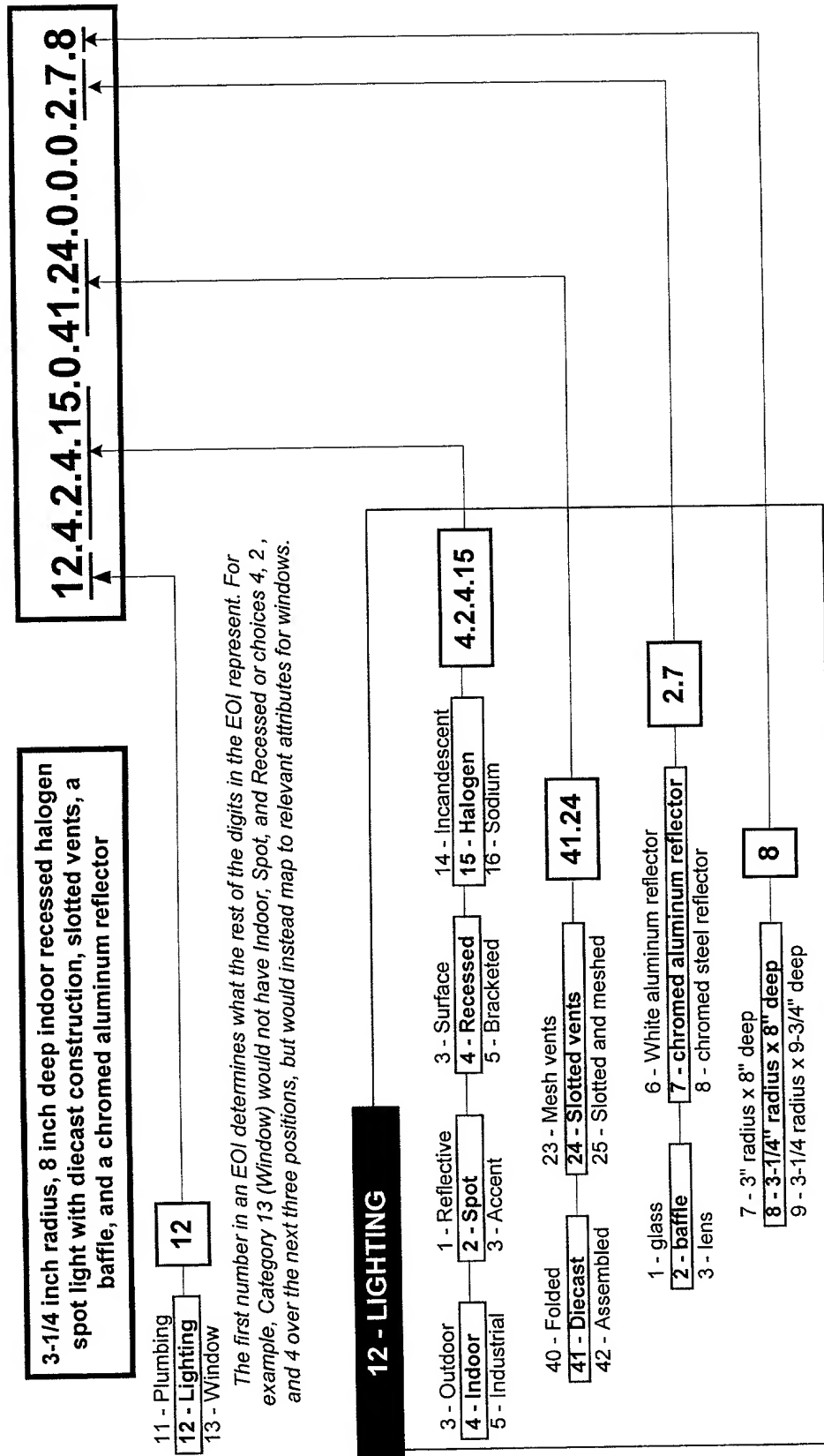


FIG. 11



FIG. 12

UCID

Your open project is:

Indigo Run

Company

My User Profile

My Projects

Favorites

Home / Corporate / Careers / Site Map / Contact Us

U.S. English

Logout

Project Notebook

Search

Toolbox

Reports

Settings

Help

Products

Manufacturers

Suppliers

Codes

Regulatory Agencies

News

Help Me Search

Product Directory

Search Preferences

Go

Keyword Search

Detailed Search

Click arrow to expand the result display options

Manufacturer

Pella

View Details

Remove

View Details

Remove

View Details

Remove

Data Built

Identification

123A23B7678CD7825FAC218

56324120AB4546221CEF215

35689ADF895213005B3EF69

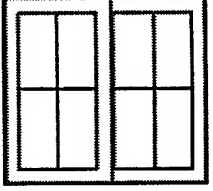
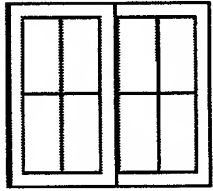
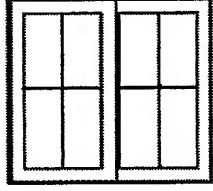
Double Hung Window

Double Hung Window

Double Hung Window

Double Hung Window

2D/3D CAD Graphics



Manufacturer Model Number

PL749820

AD57984563

MV2246881

MSRP

\$350

\$300

\$325

Dimensions

20" x 30"

20" x 30"

20" x 30"

Warranty

10 years

5 years

7 years

Engineering Specifications

Here are the engineering specs

Here are the engineering specs

Here are the engineering specs

Performance Criteria

Here is the performance criteria

Here is the performance criteria

Here is the performance criteria

Here are the engineering specs

Here are the engineering specs

Here is the performance criteria





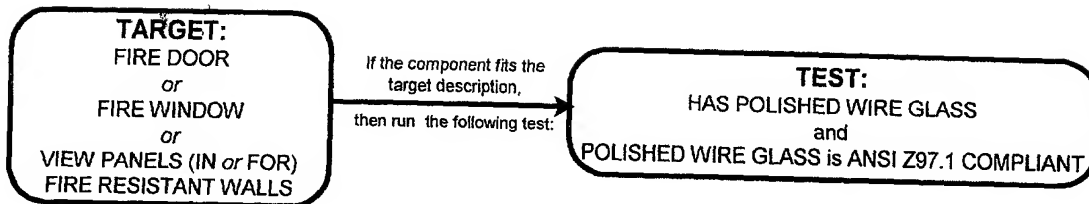


FIG. 14

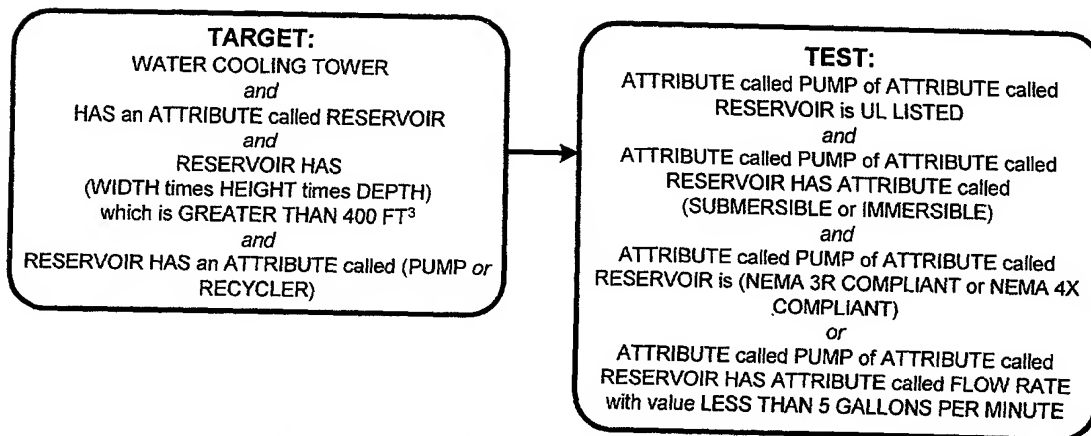


FIG. 15

FIG. 14

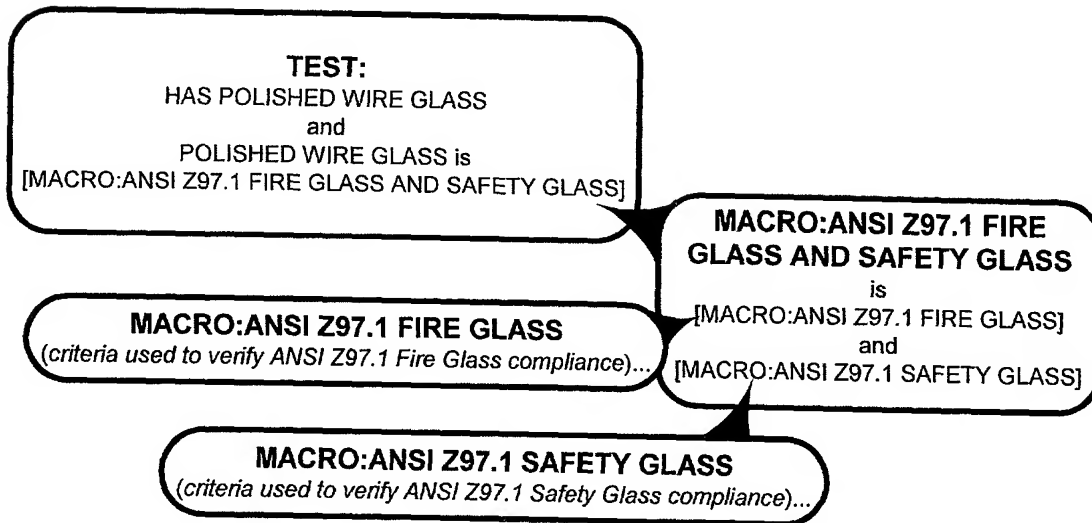
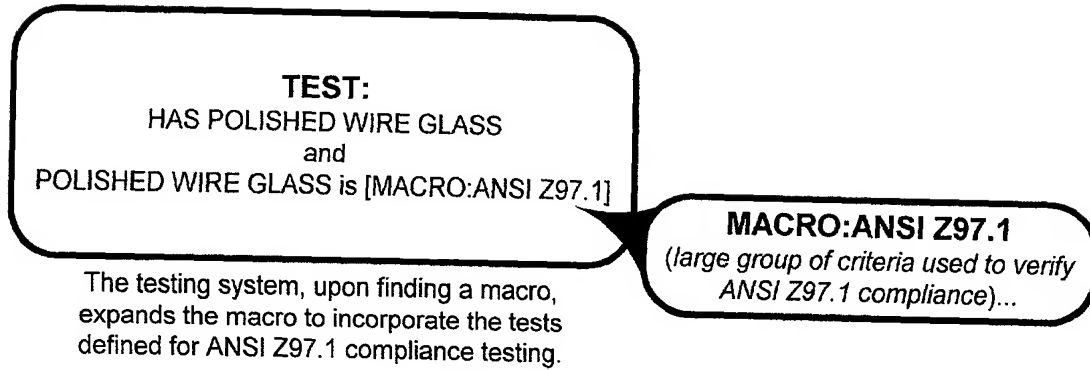


FIG. 16

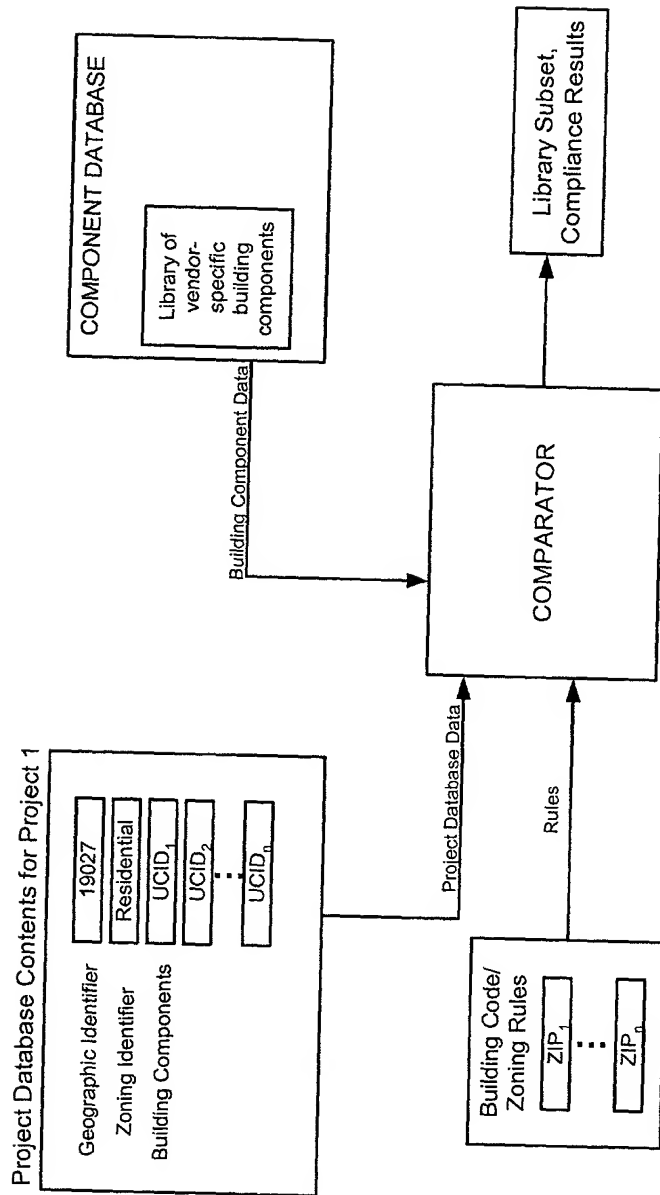


FIG. 18

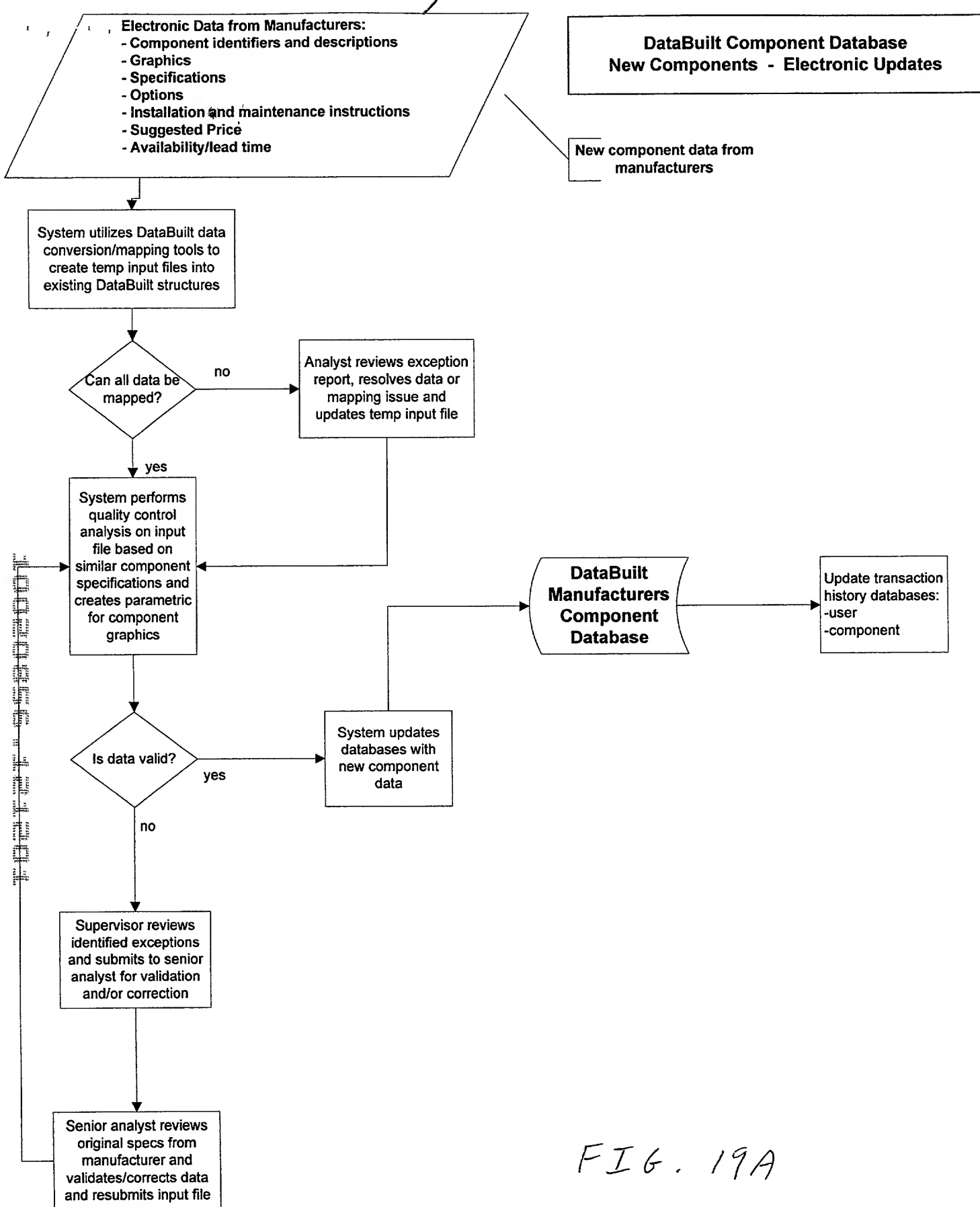


FIG. 19A

PROCESS FLOW: 1

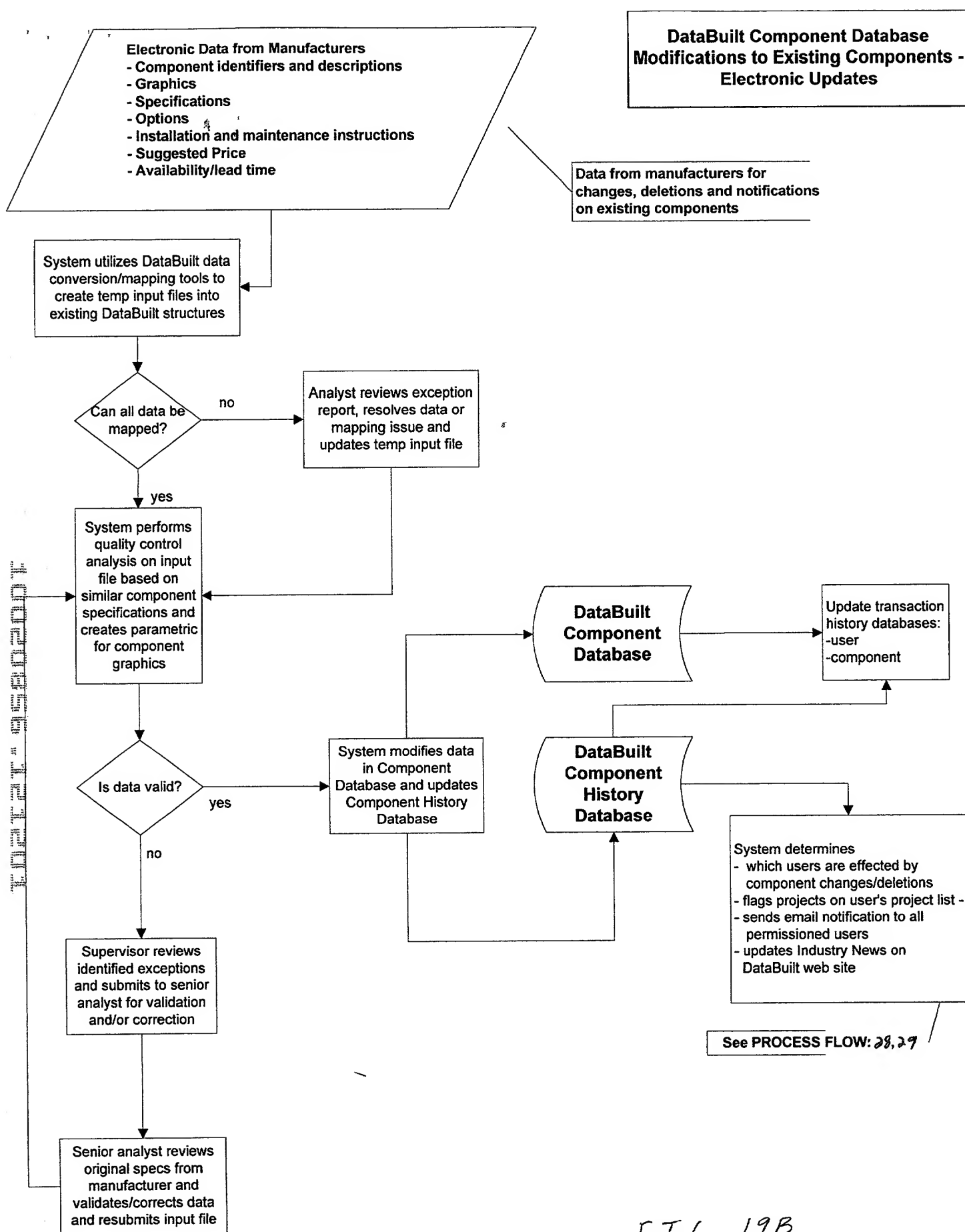


FIG. 19B

PROCESS FLOW: 2

Title: Assimilation, Integration and Deployment Technology  
 Inventors: Jonathan S Levkoff et al  
 Attorney Docket No. 10776-1U1 Cust. No. 570  
 Express Mail Label No.. EL665884681US

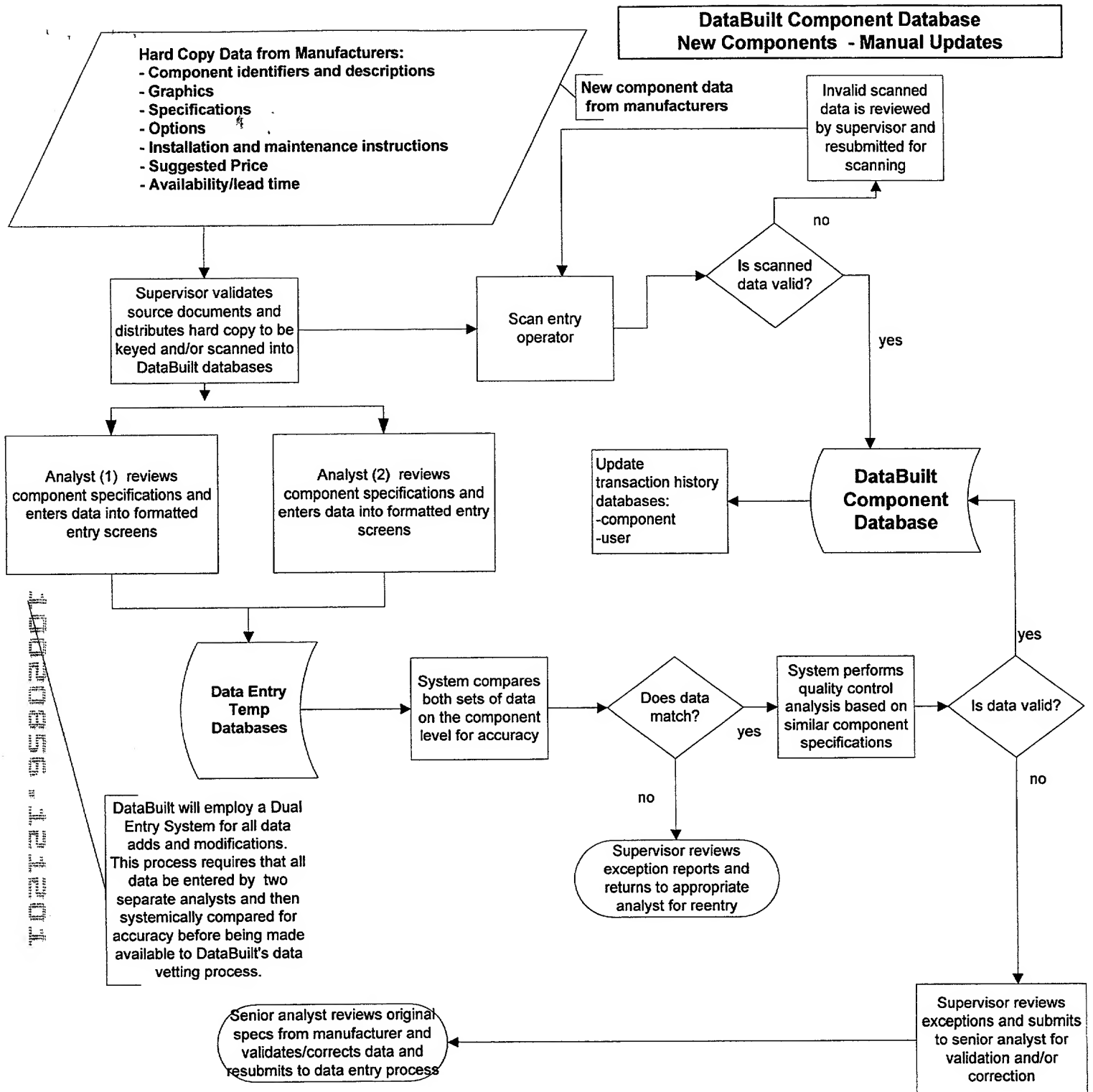


FIG. 19C

PROCESS FLOW: 3

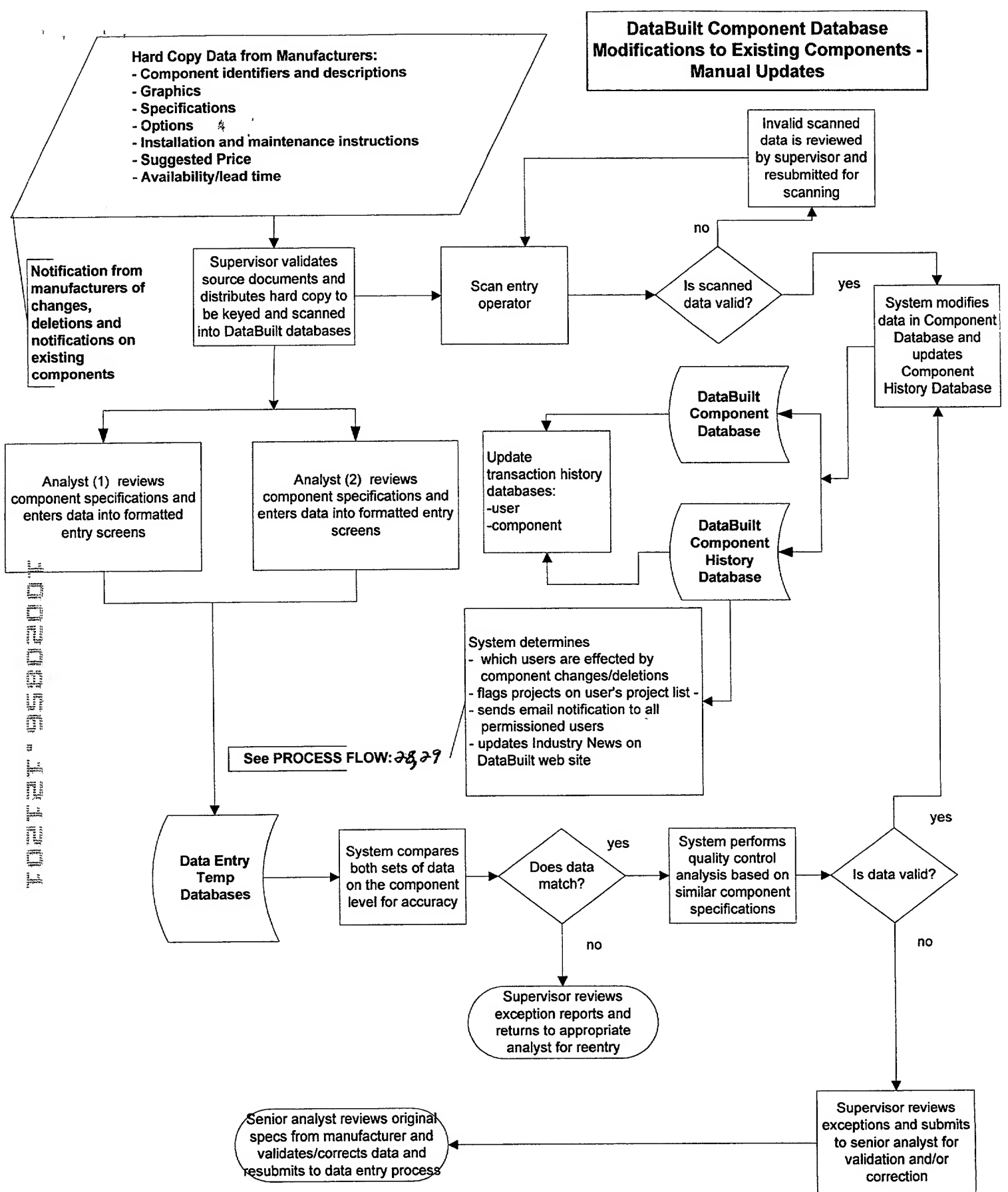


FIG. 19D

PROCESS FLOW: 4

Title: Assimilation, Integration and Deployment Technology  
 Inventors: Jonathan S. Levkoff et al  
 Attorney Docket No. 10776-1U1 Cust. No. 570  
 Express Mail Label No. EL665884681US



**Compliance Database:**

- Permitting
- Building Codes
- Engineering Specifications
- Engineering Best Practices
- Insurance Requirements
- Lender Requirements
- Governmental Regulatory Requirements (e.g. FEMA, FERC, FDA GNMA, OSHA, EPA etc.)
- Owner-Operator Standards
- AEC User Standards

**DataBuilt Compliance Database  
New Specifications - Manual/Electronic Updates**

New Specifications

Supervisor receives hard/  
electronic copies,  
validates sources, logs  
and passes to analysts for  
manual data mapping into  
compliance databases

Analyst (1) reviews  
specifications and maps text  
into appropriate formatted  
entry screens. Information  
which can not be mapped into  
existing screens is passed  
back to supervisor for review  
and resolution.

Data Entry Temp  
Databases

Analyst (2) reviews the  
on-line entries from  
Analyst (1) and validates  
interpretation of  
specification into  
formatted entry screens

Is data  
validated?

System performs  
quality control  
analysis

Is data valid?

Update transaction  
history databases:  
-user  
-compliance

DataBuilt  
Compliance  
Databases

Exceptions are  
passed back to  
Analyst (1) for  
review and re-  
entry

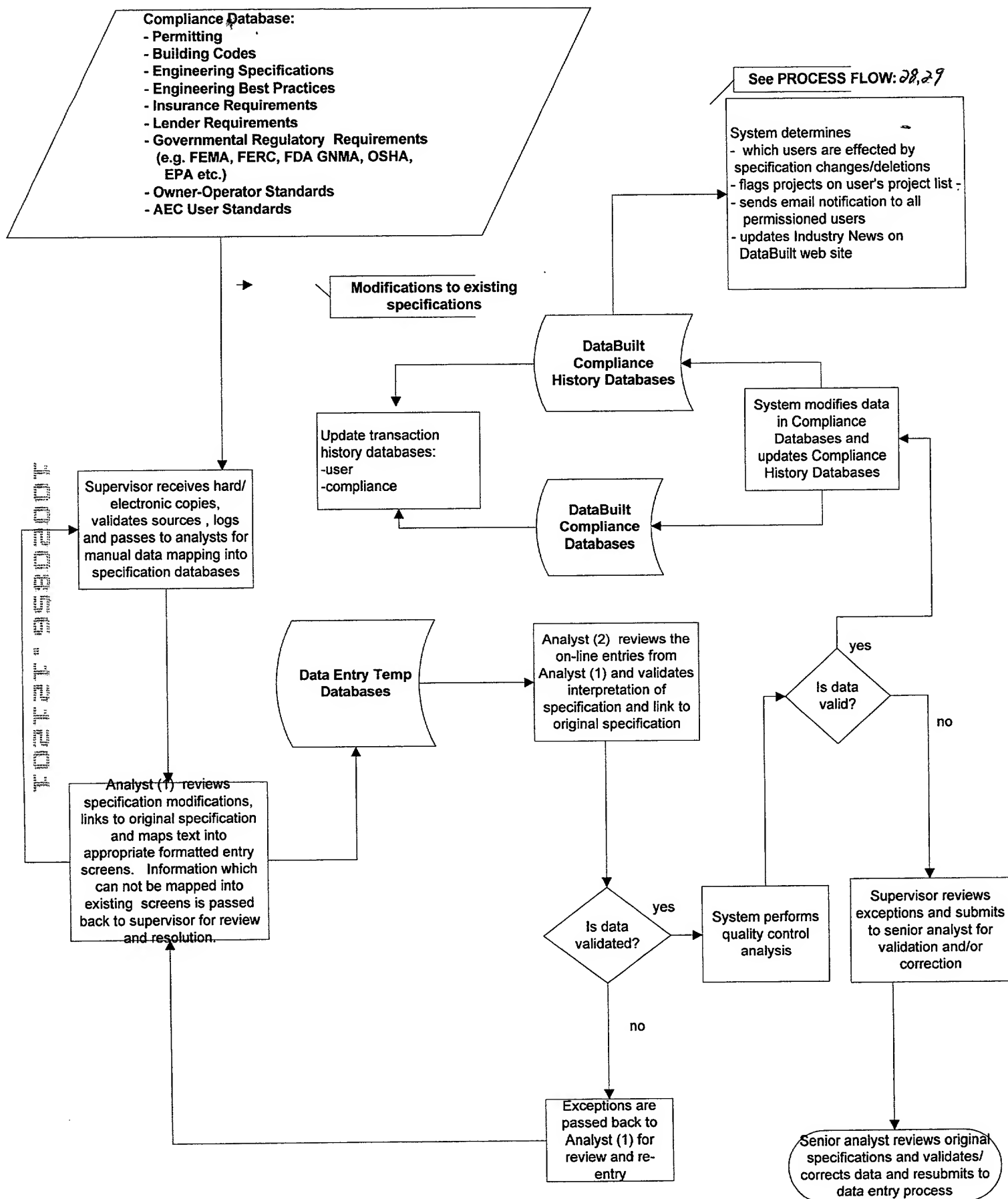
Senior analyst reviews original  
specifications and validates/  
corrects data and resubmits to  
data entry process

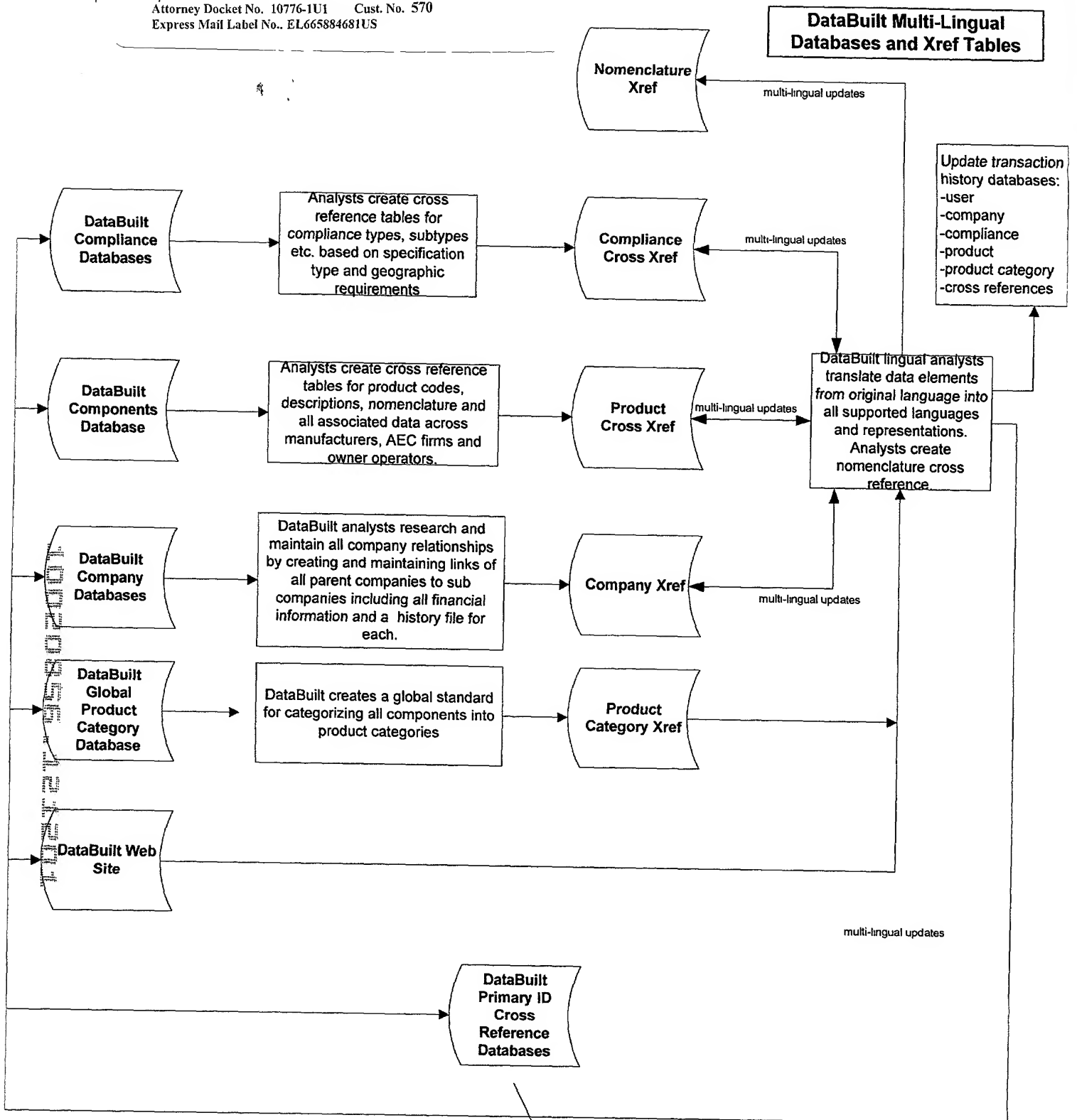
Supervisor reviews  
exceptions and submits  
to senior analyst for  
validation and/or  
correction

PROCESS FLOW: 5

FIG. 19E

**DataBuilt Compliance Database  
 Modifications - Manual/Electronic Updates**



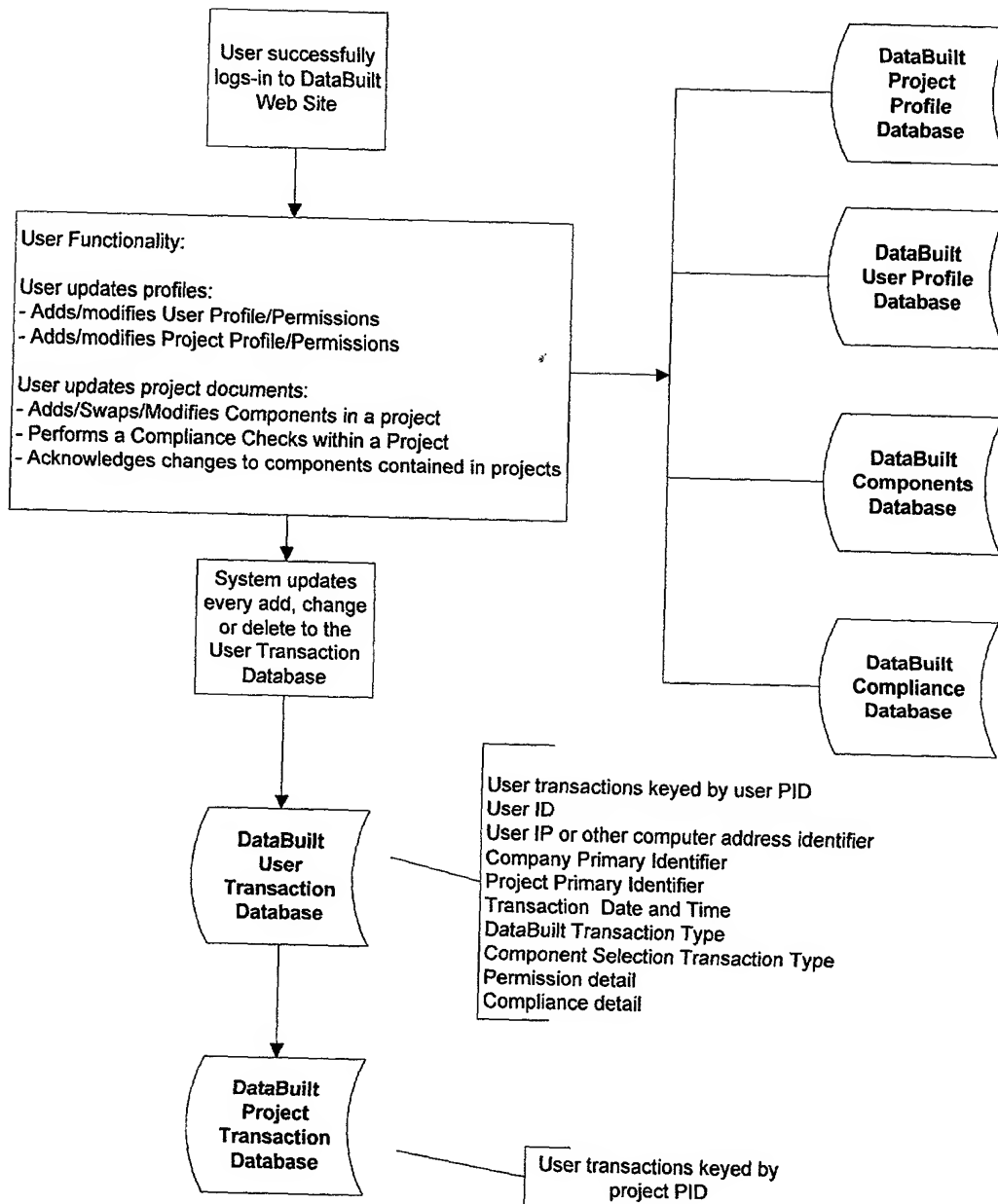


**DataBUILT assigns a DataBUILT Unique Primary ID (PID) to all data elements stored in DataBUILT Databases (e.g. user names, company names, component names, compliance code types (permit types, building codes, engineering specification type etc.), product categories etc.**

**For every PID established by DataBUILT, a sophisticated cross reference system is created which links DataBUILT's PID to all other IDs and information (description etc.) used in the AEC industry and in general business. This allows DataBUILT to add, maintain and track history by linking all data elements to the single unique identifier.**

FIG. 196

**DataBUILT User Transaction  
Databases**



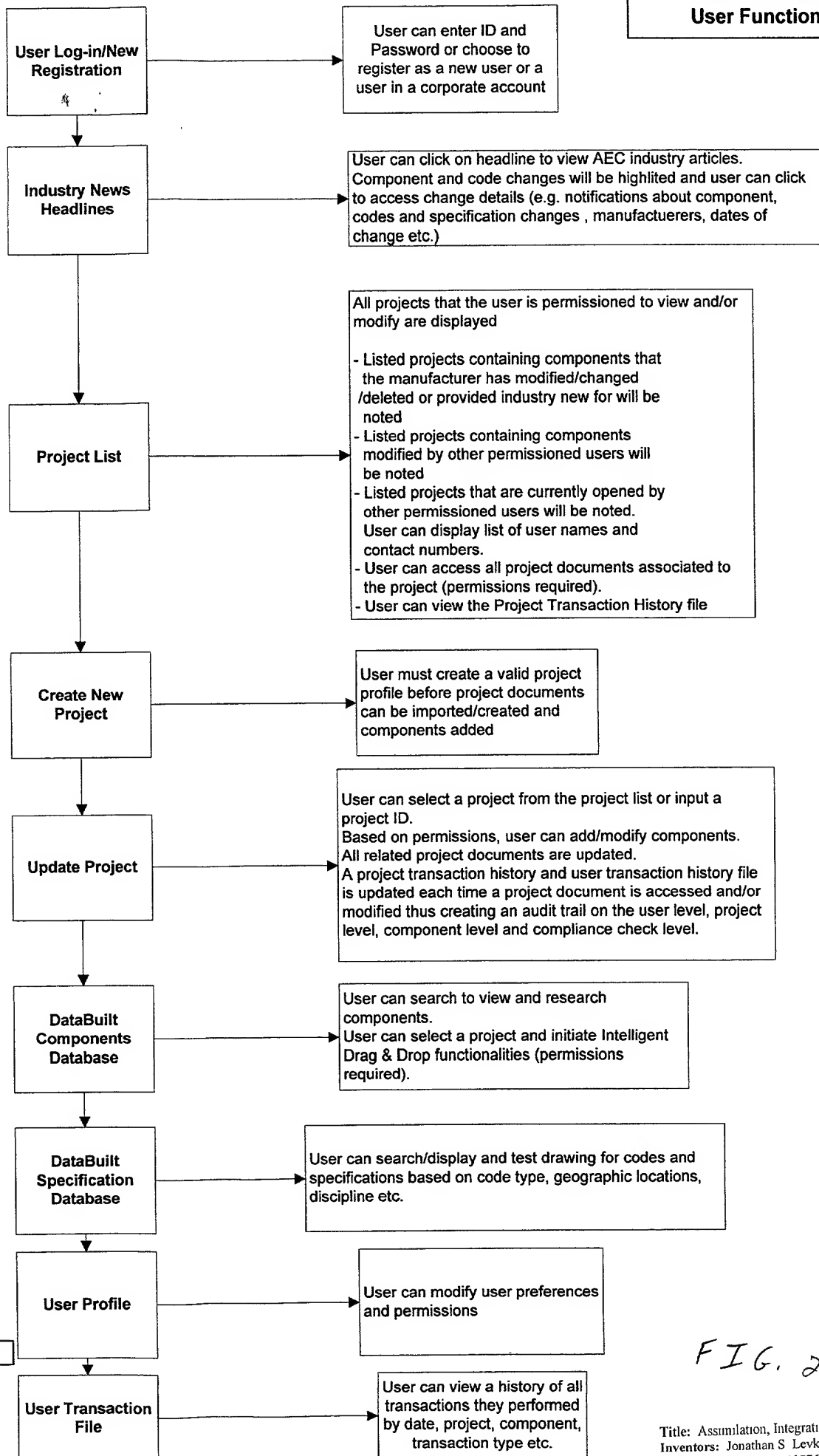
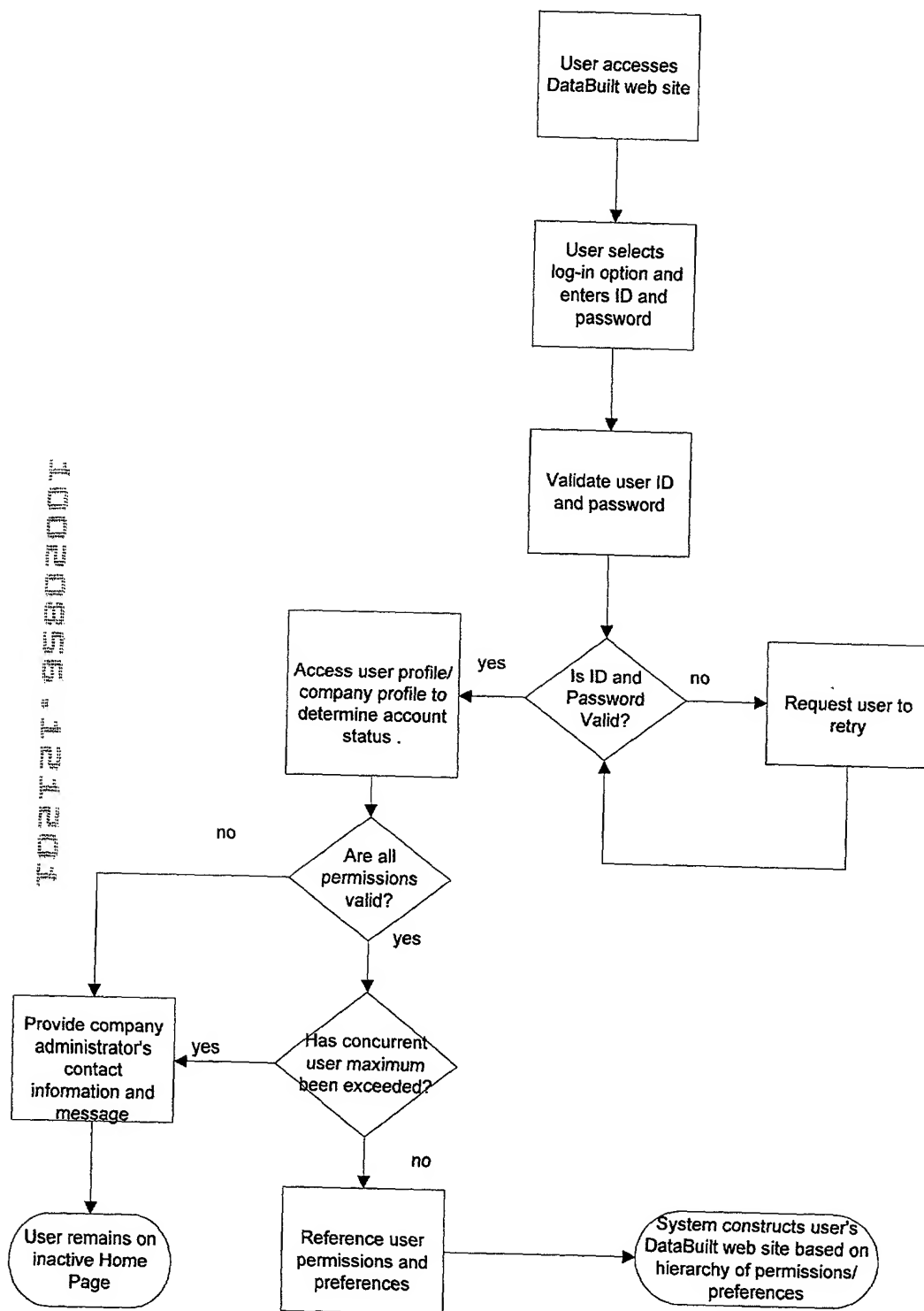


FIG. 20A

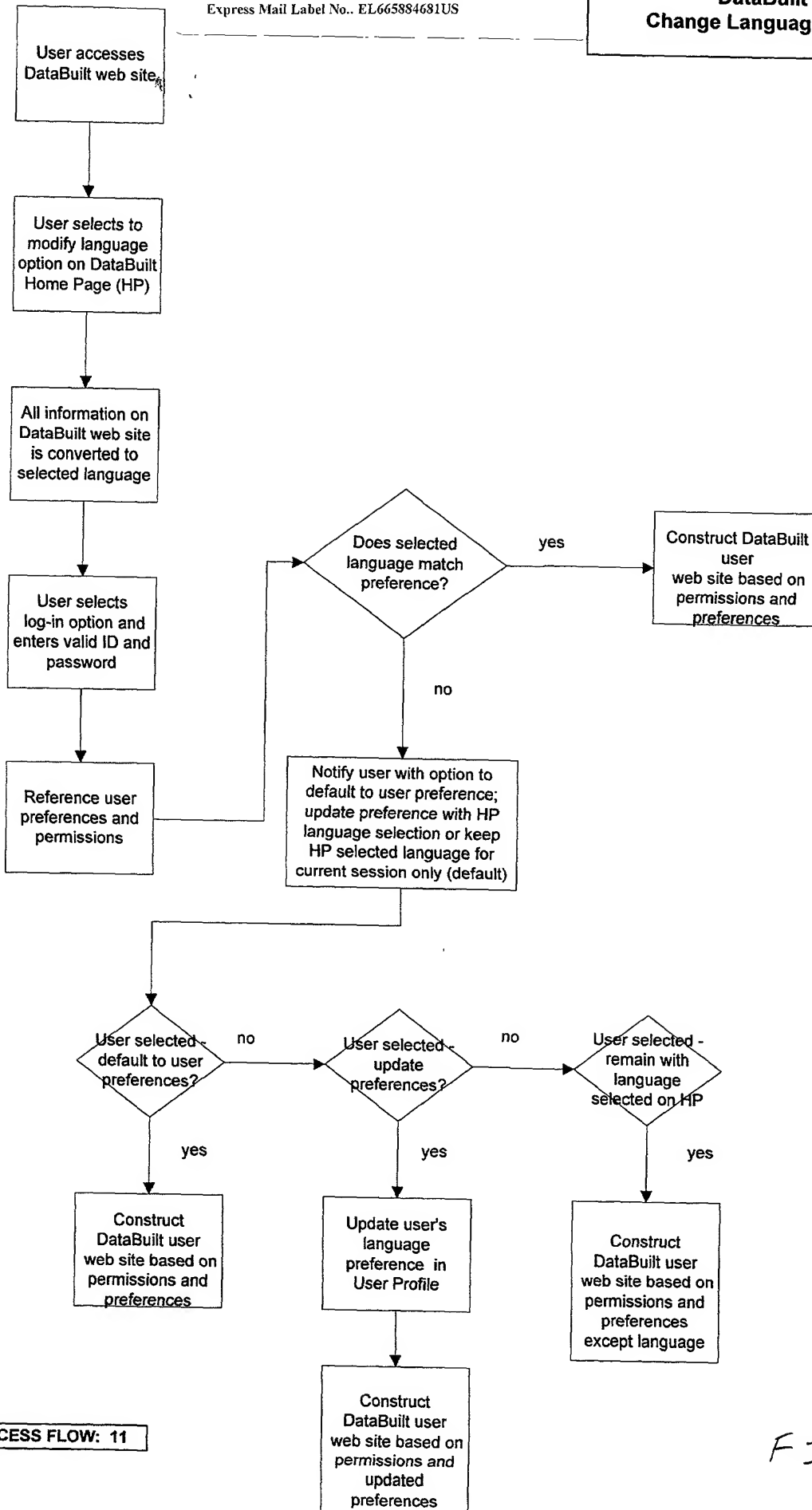
PROCESS FLOW: 9

FIG. 20B

User Log-in  
DataBuilt Web Site



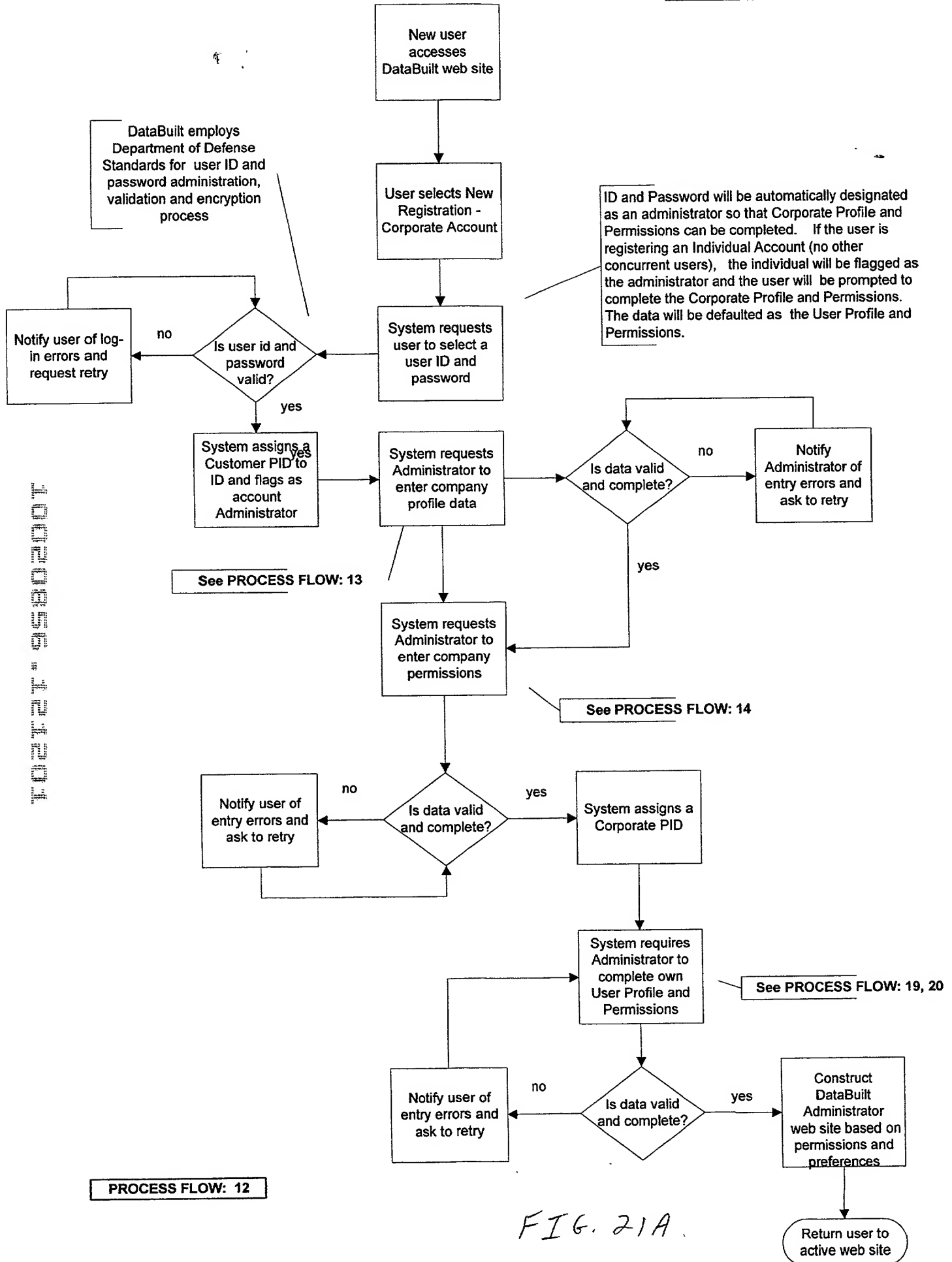
**DataBuilt Web Site  
 Change Language on Home Page**



PROCESS FLOW: 11

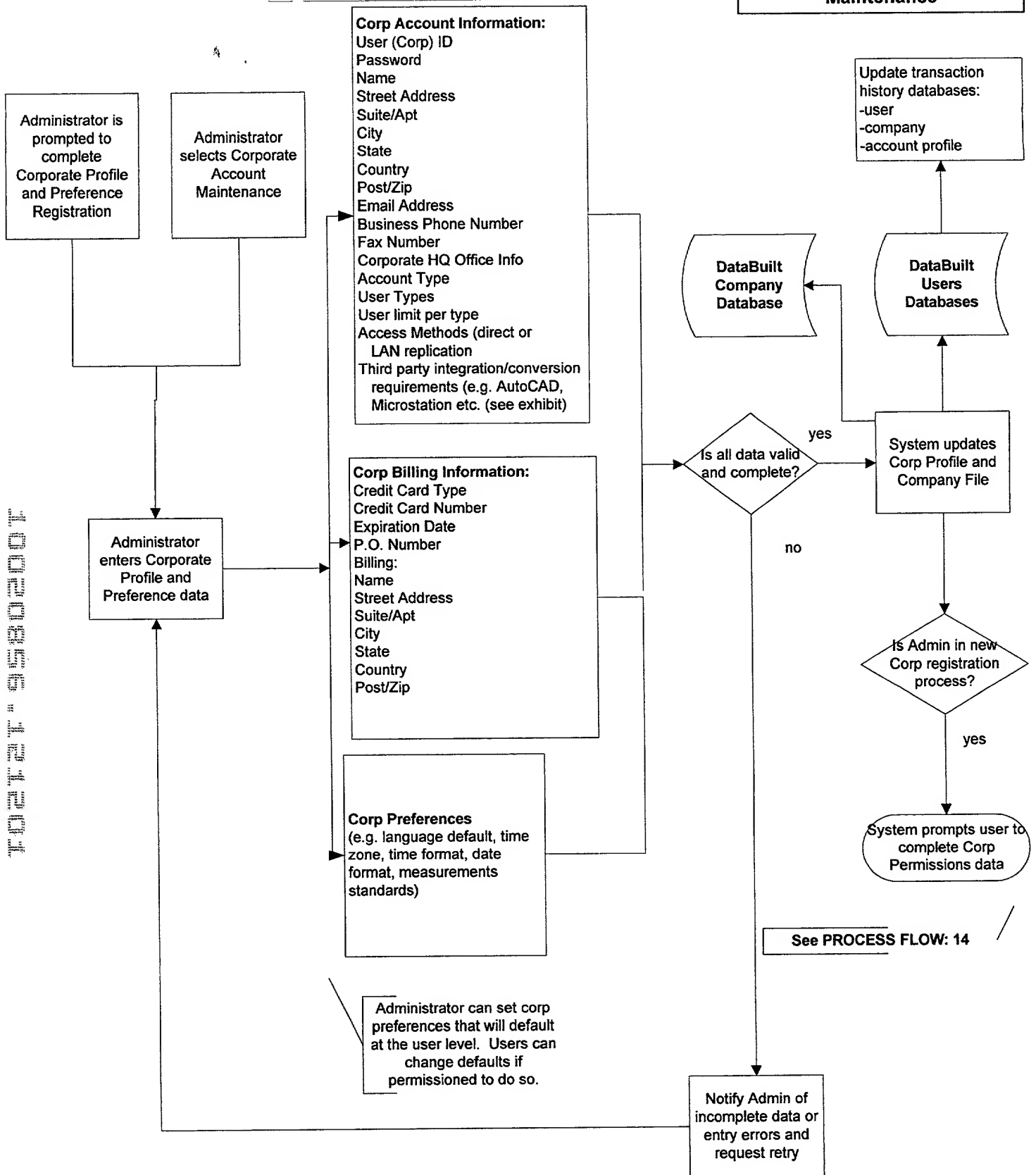
FIG. 200

Corporate Account Registration

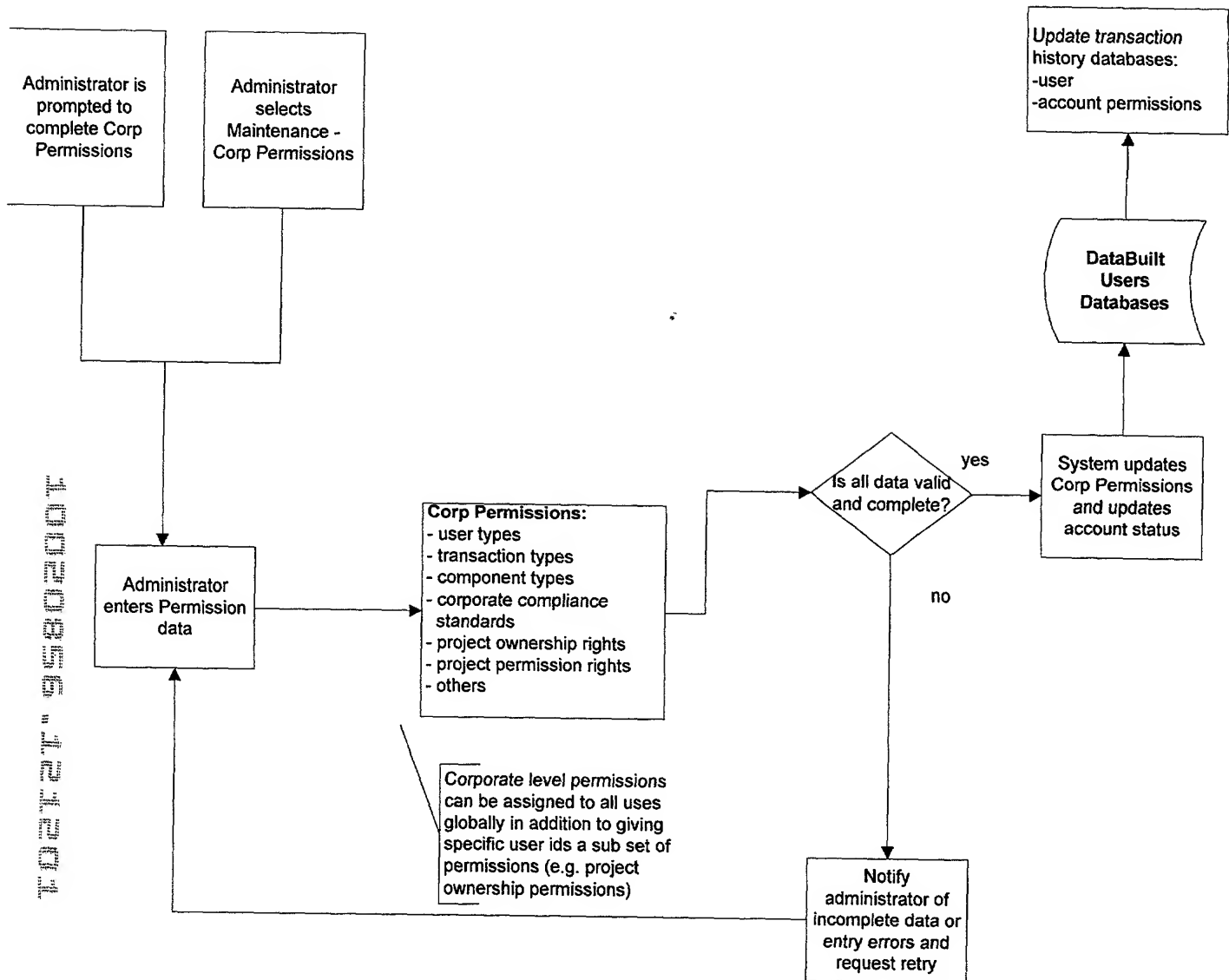




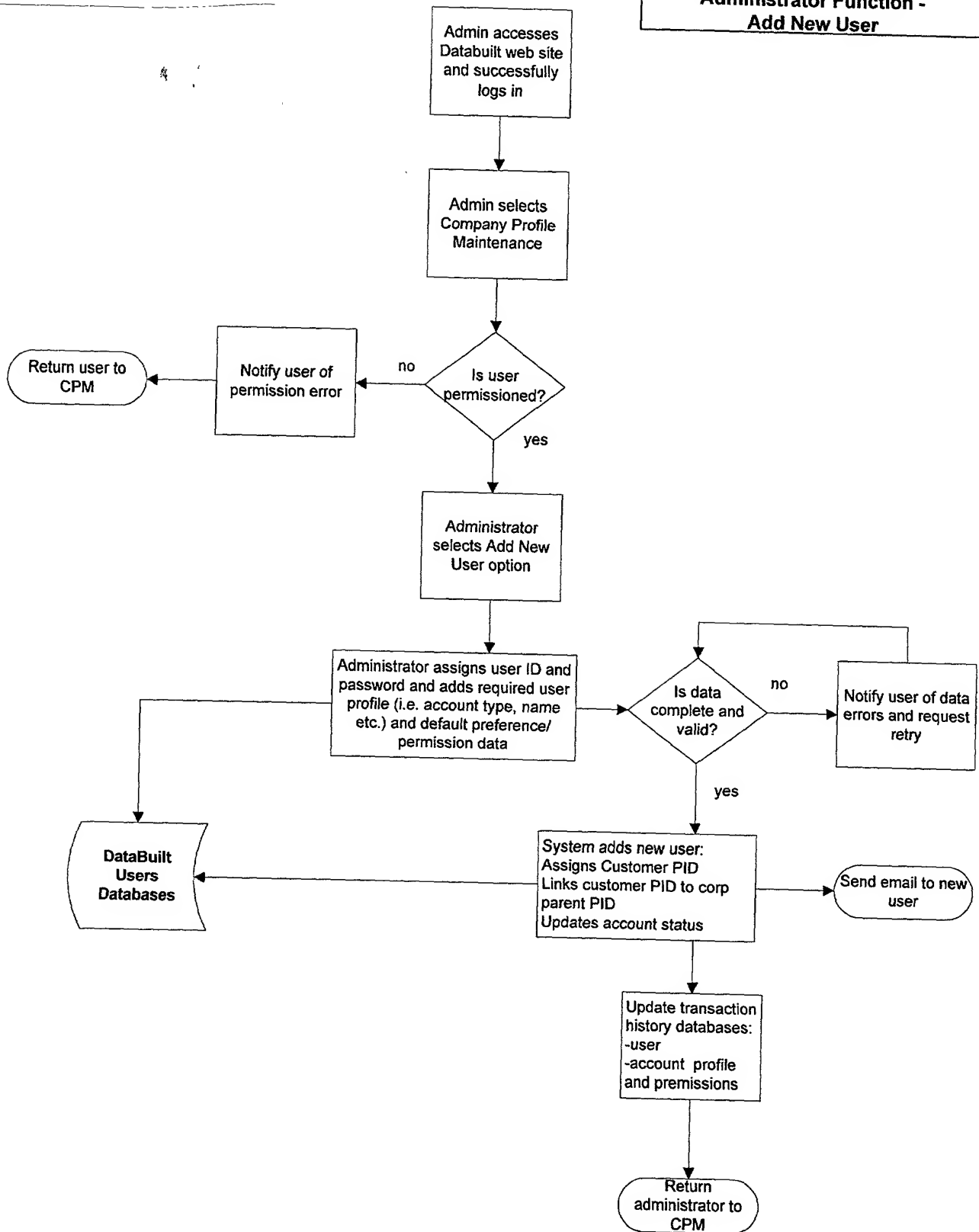
**Corporate Profile -  
Registration and Account  
Maintenance**



**Corporate Permissions -  
Registration and Account  
Maintenance**



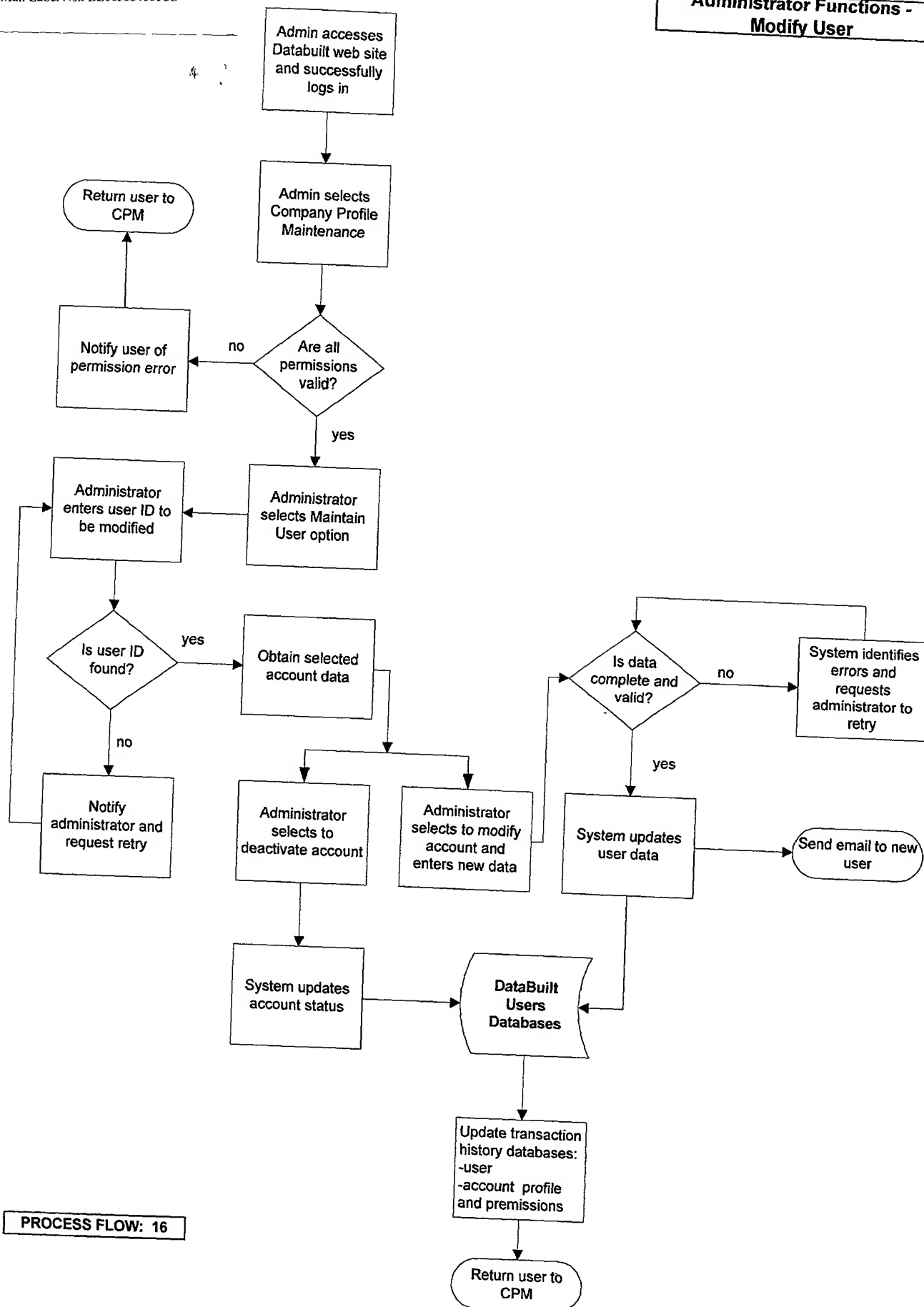
**Administrator Function -  
Add New User**



PROCESS FLOW: 15

FIG. 21D

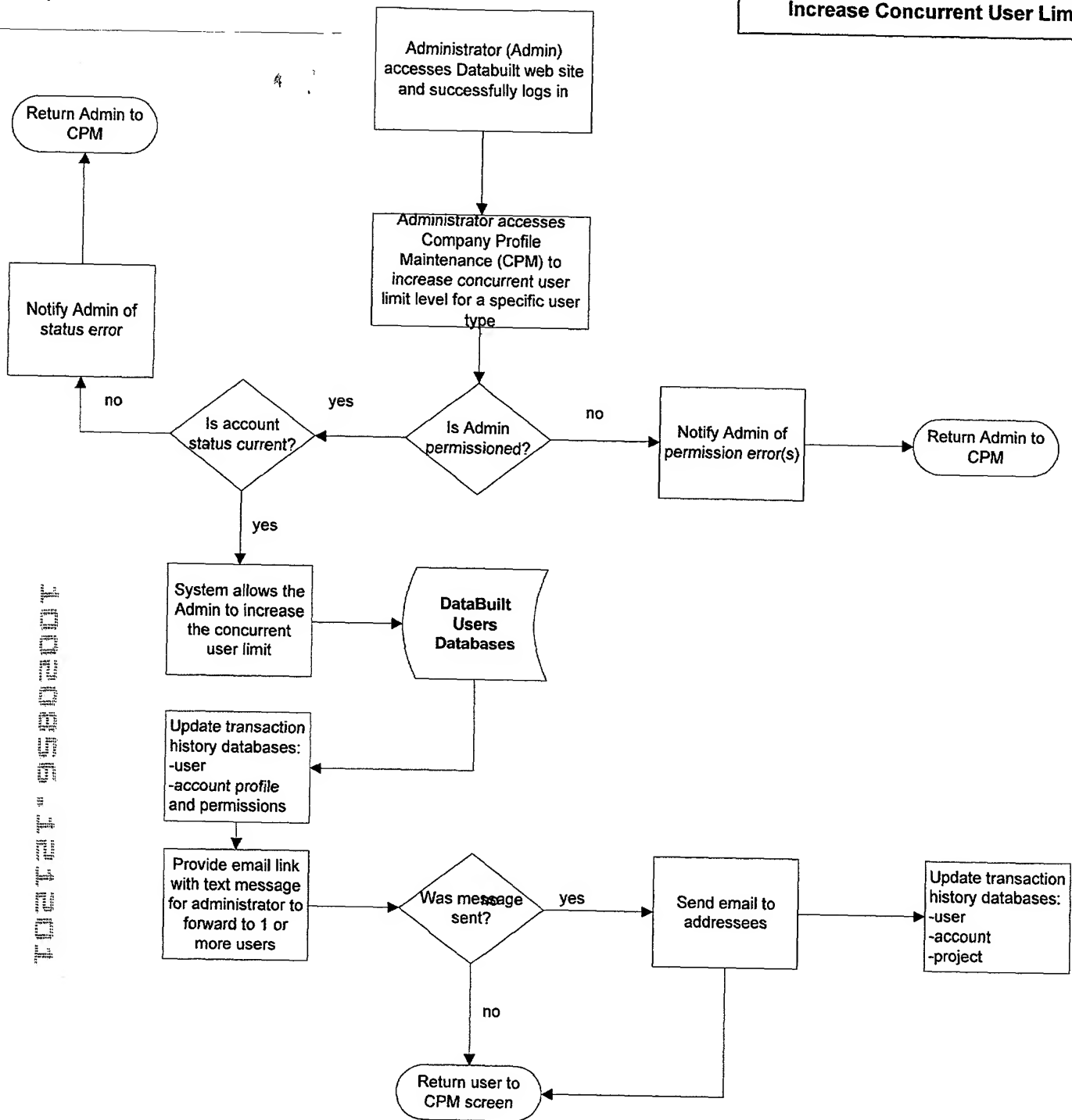
**Administrator Functions -  
 Modify User**



PROCESS FLOW: 16

FIG. 21E

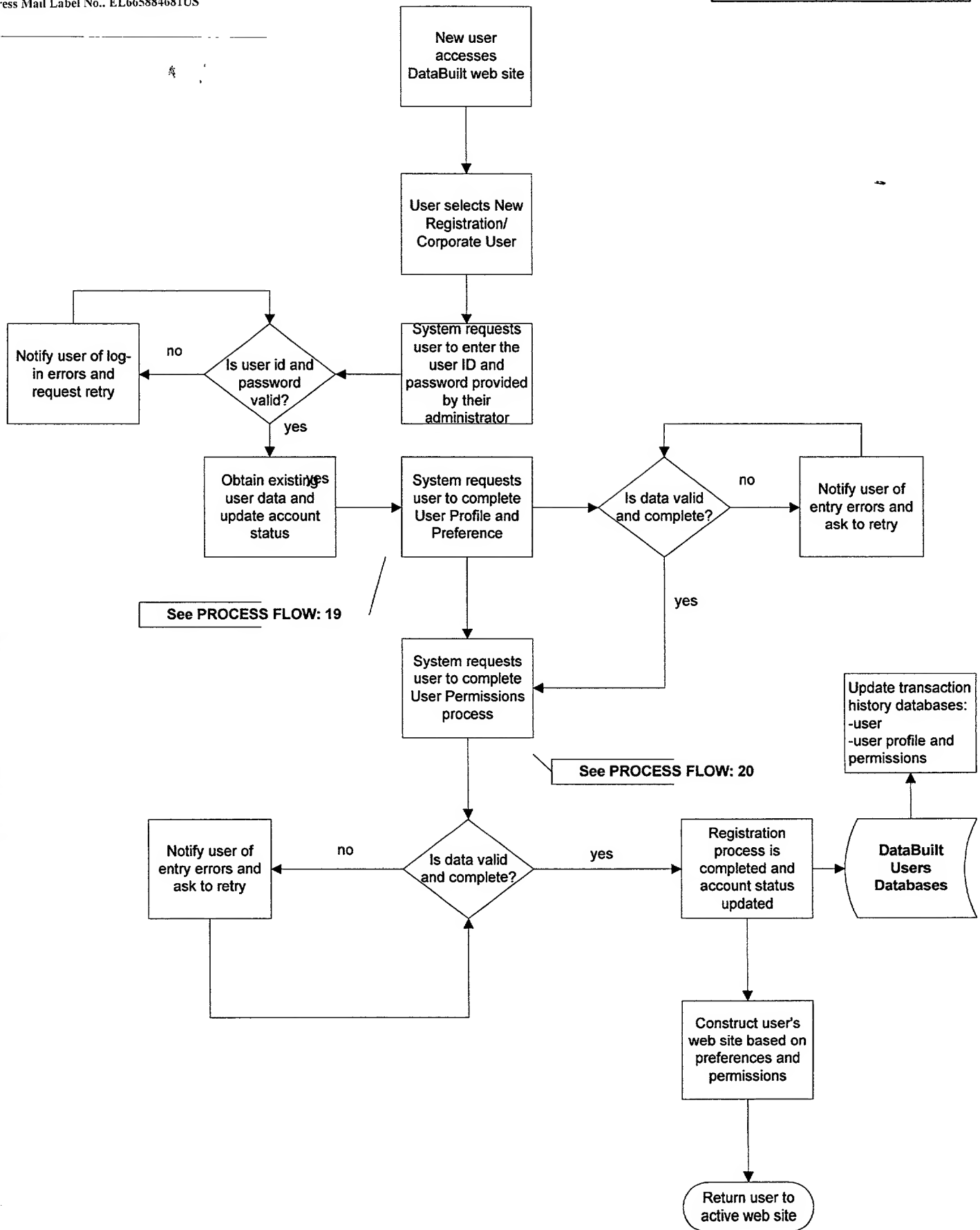
**Administrator Function -  
 Increase Concurrent User Limit**



PROCESS FLOW: 17

FIG. 21F

**New User Registration**



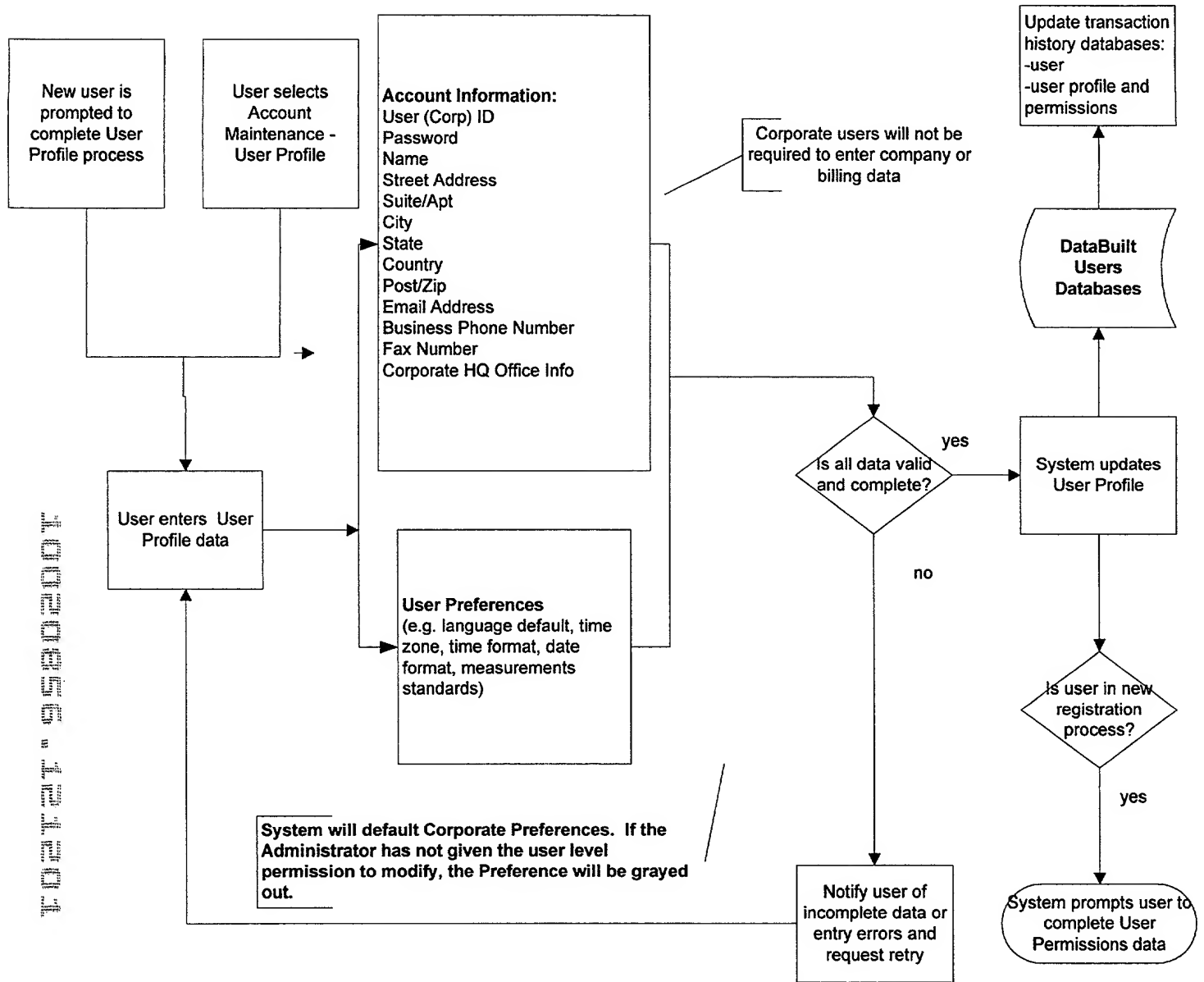
See PROCESS FLOW: 19

See PROCESS FLOW: 20

PROCESS FLOW: 18

FIG. 21G

**User Profile  
 New Registration and Account Maintenance**

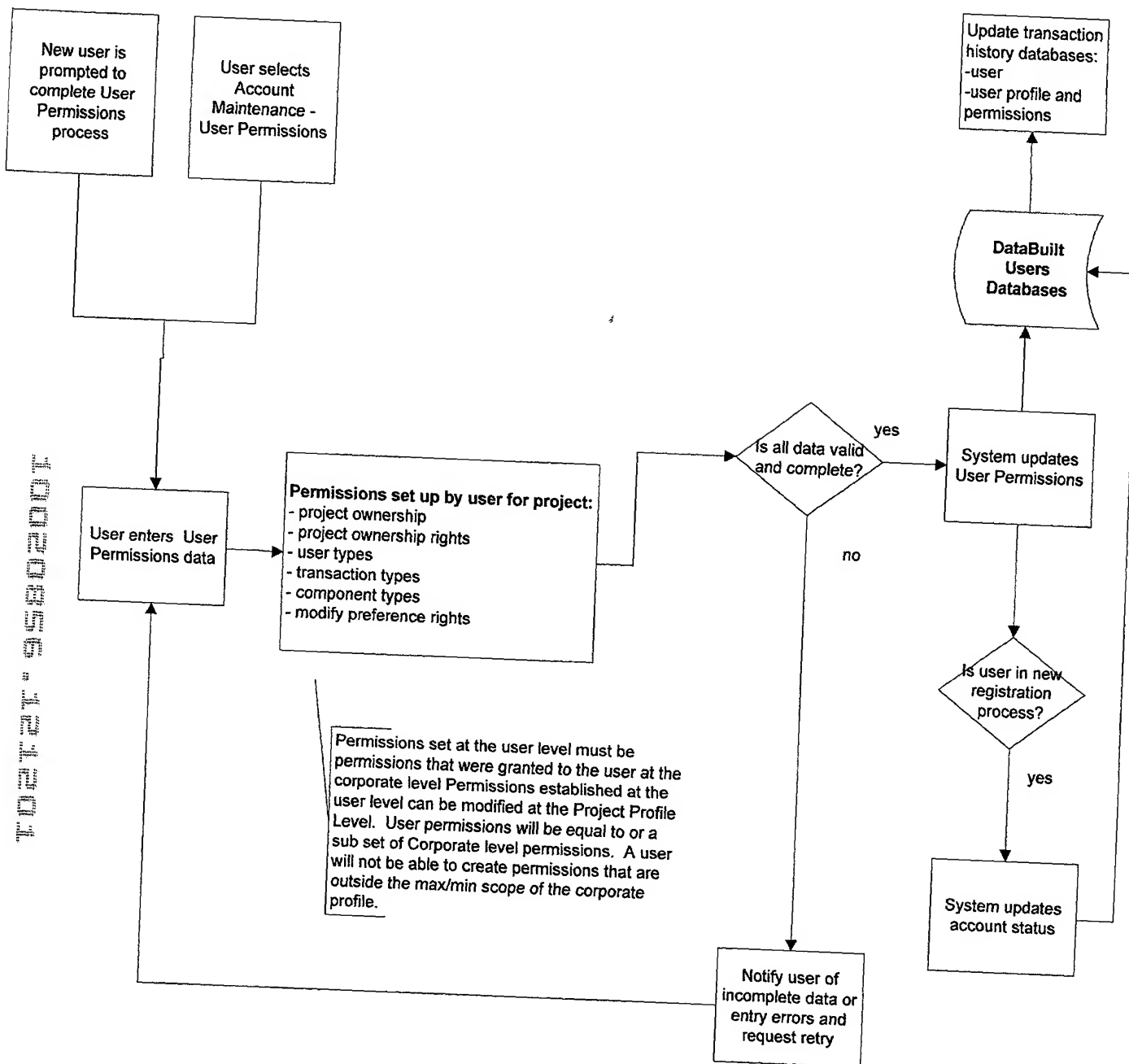


See PROCESS FLOW: 20

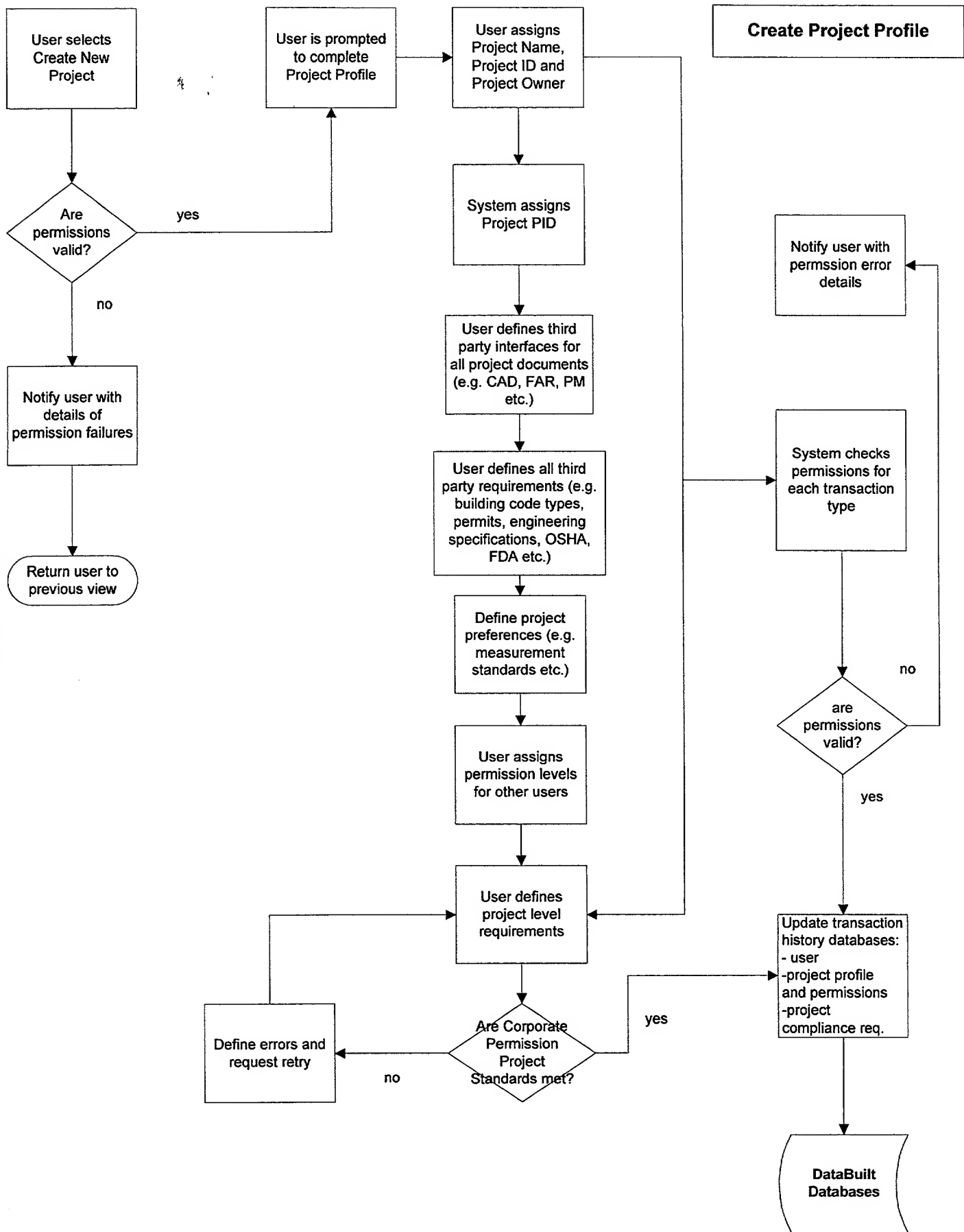
PROCESS FLOW: 19

FIG. 21H

**User Permissions  
 Registration and Account Maintenance**



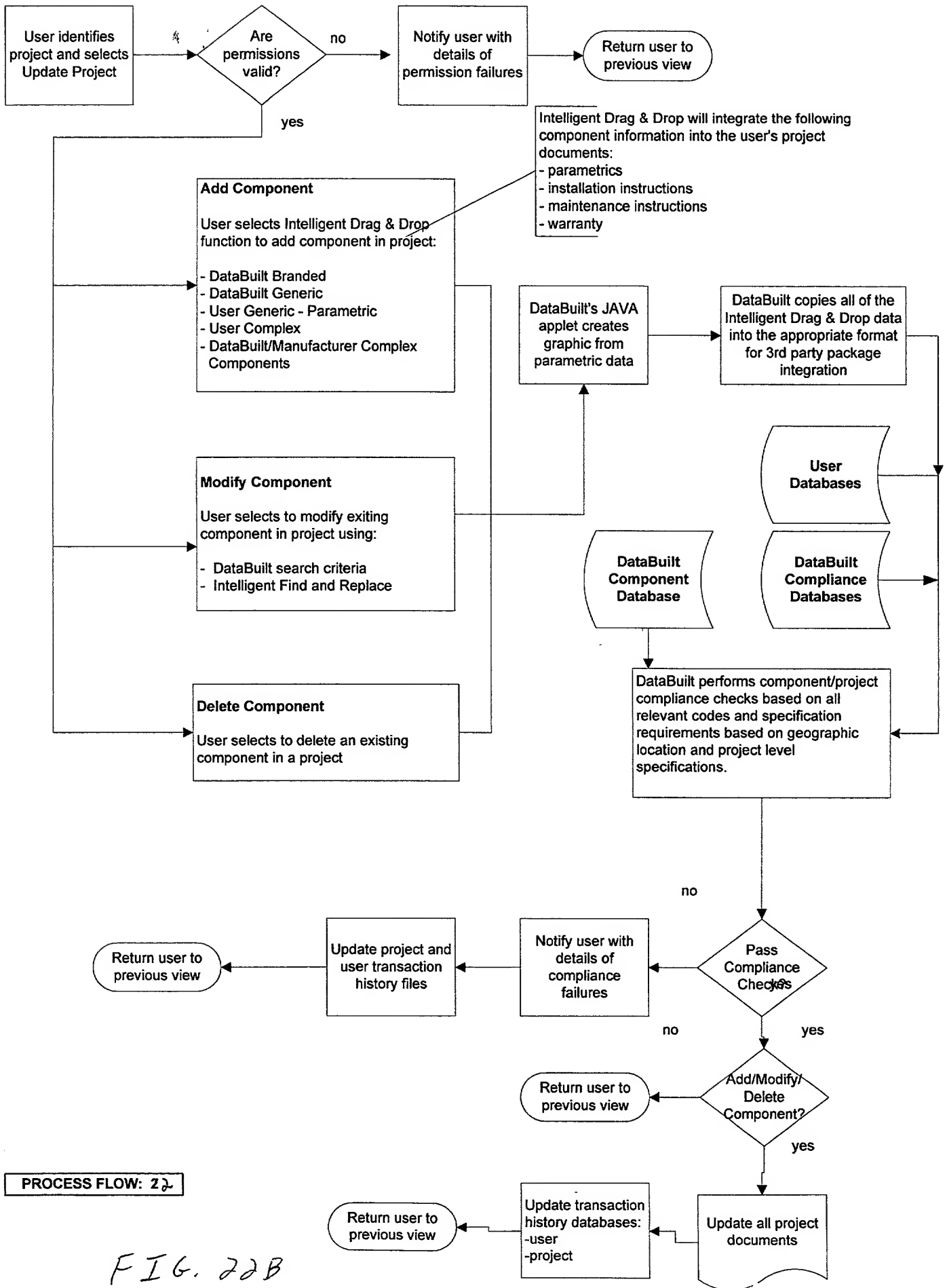




PROCESS FLOW: 2/

FIG. 22A

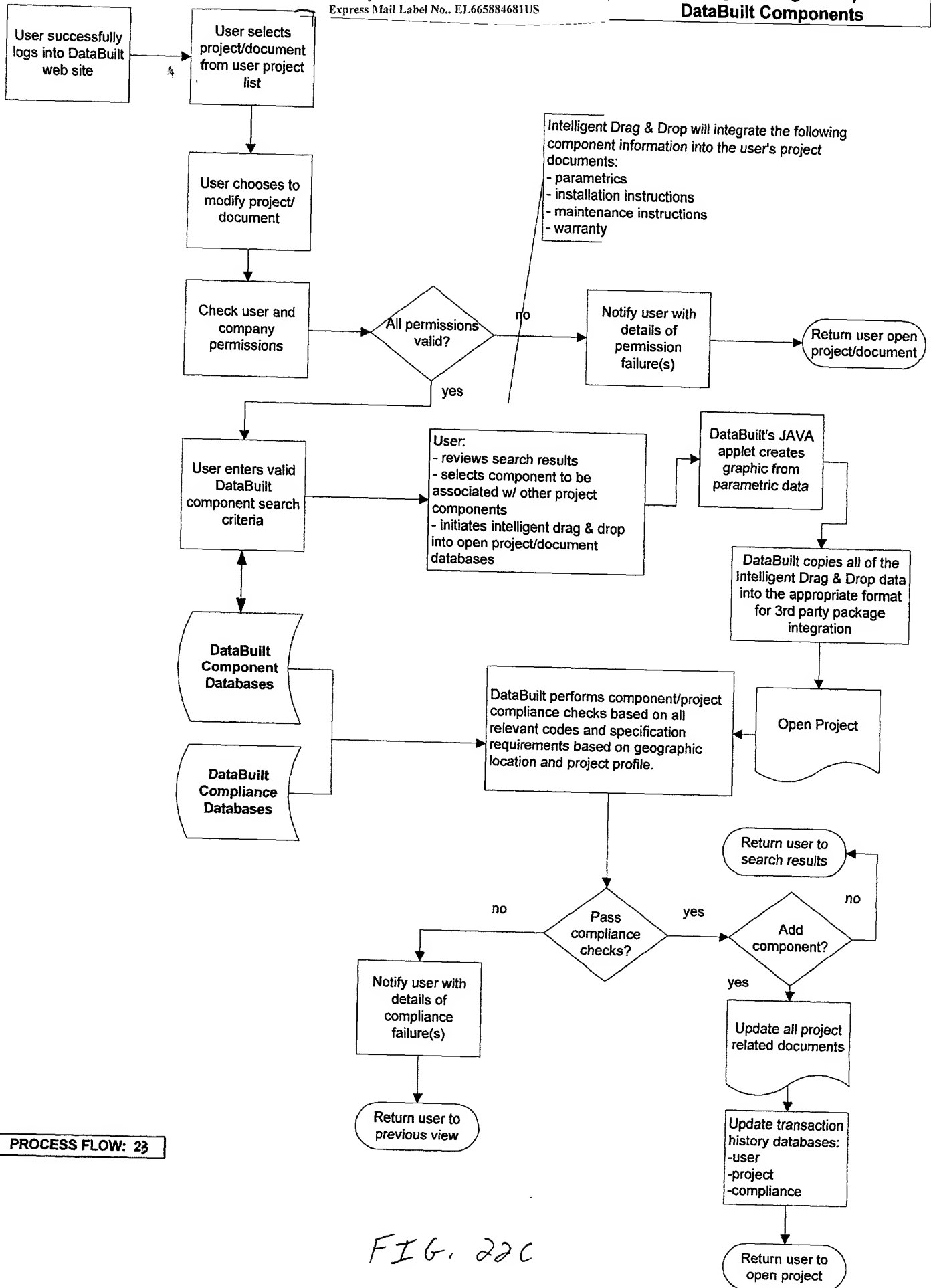
**Update Project Components**



PROCESS FLOW: 22

FIG. 22B

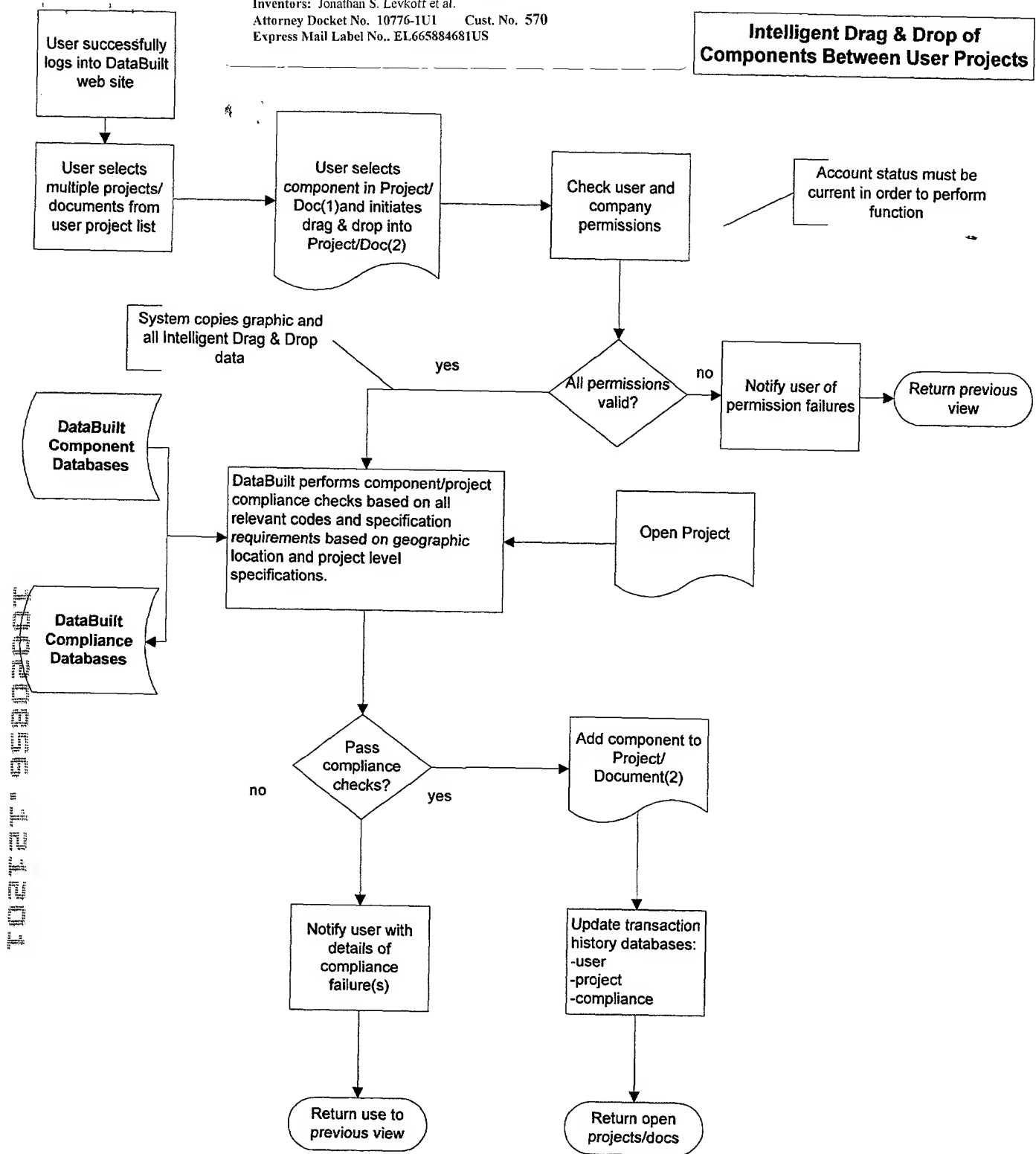
**Intelligent Drag & Drop  
 DataBUILT Components**



PROCESS FLOW: 23

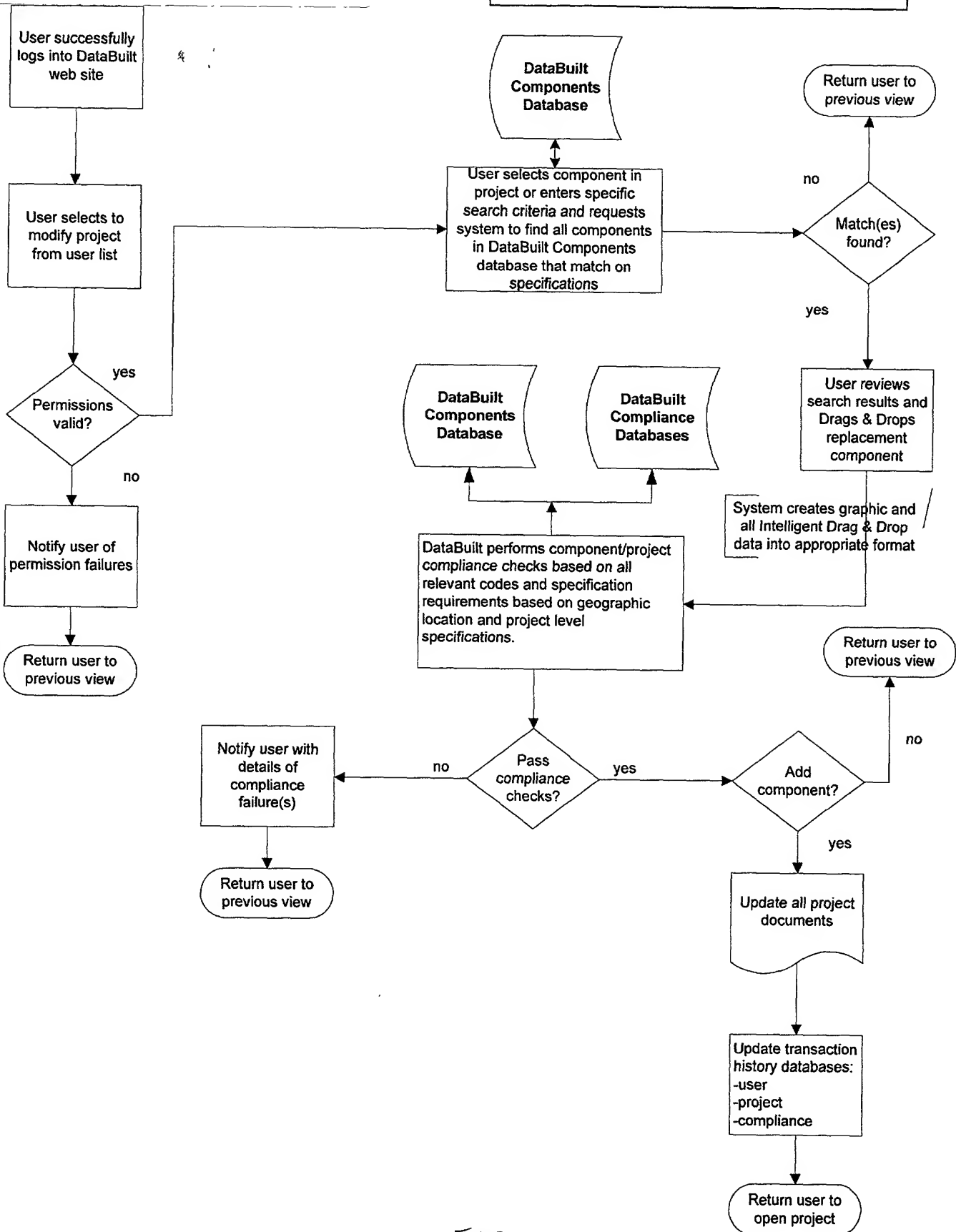
FIG. 22C

**Intelligent Drag & Drop of Components Between User Projects**



**Intelligent Drag & Drop  
 Find and Replace with Alternative Component**

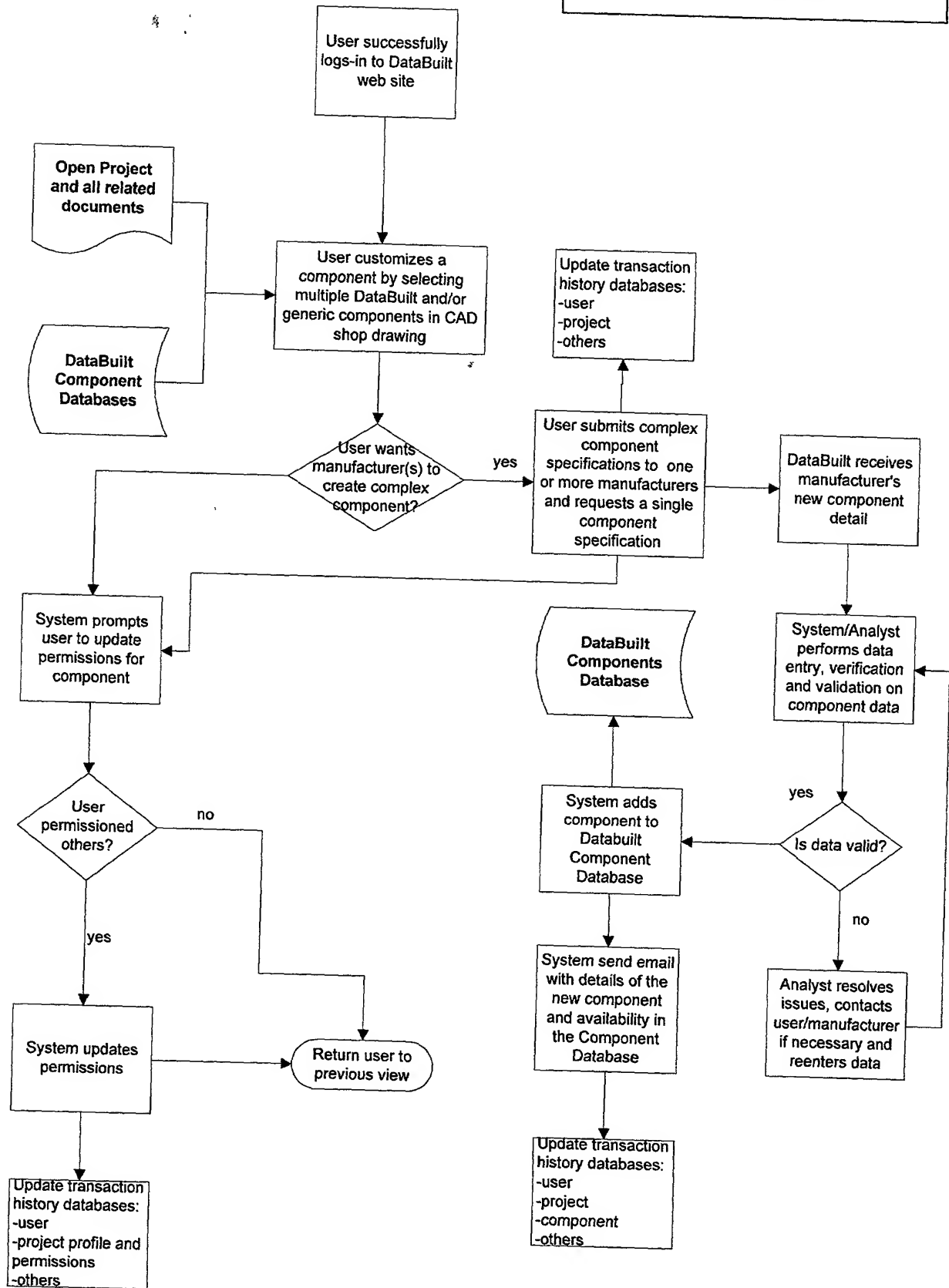
10065884681US



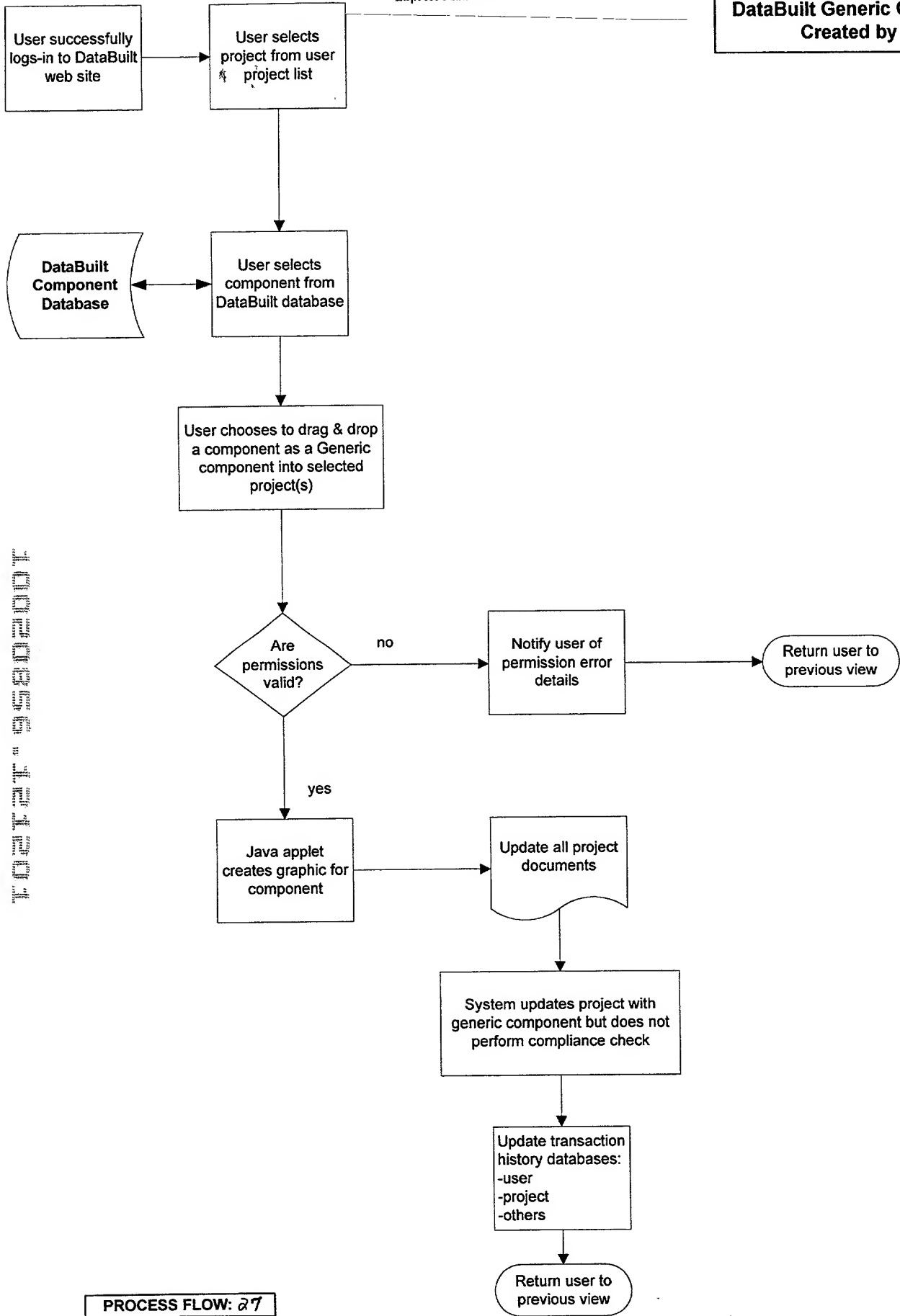
PROCESS FLOW: 25

FIG. 22E

**DataBuilt Complex Components  
 Created by User**



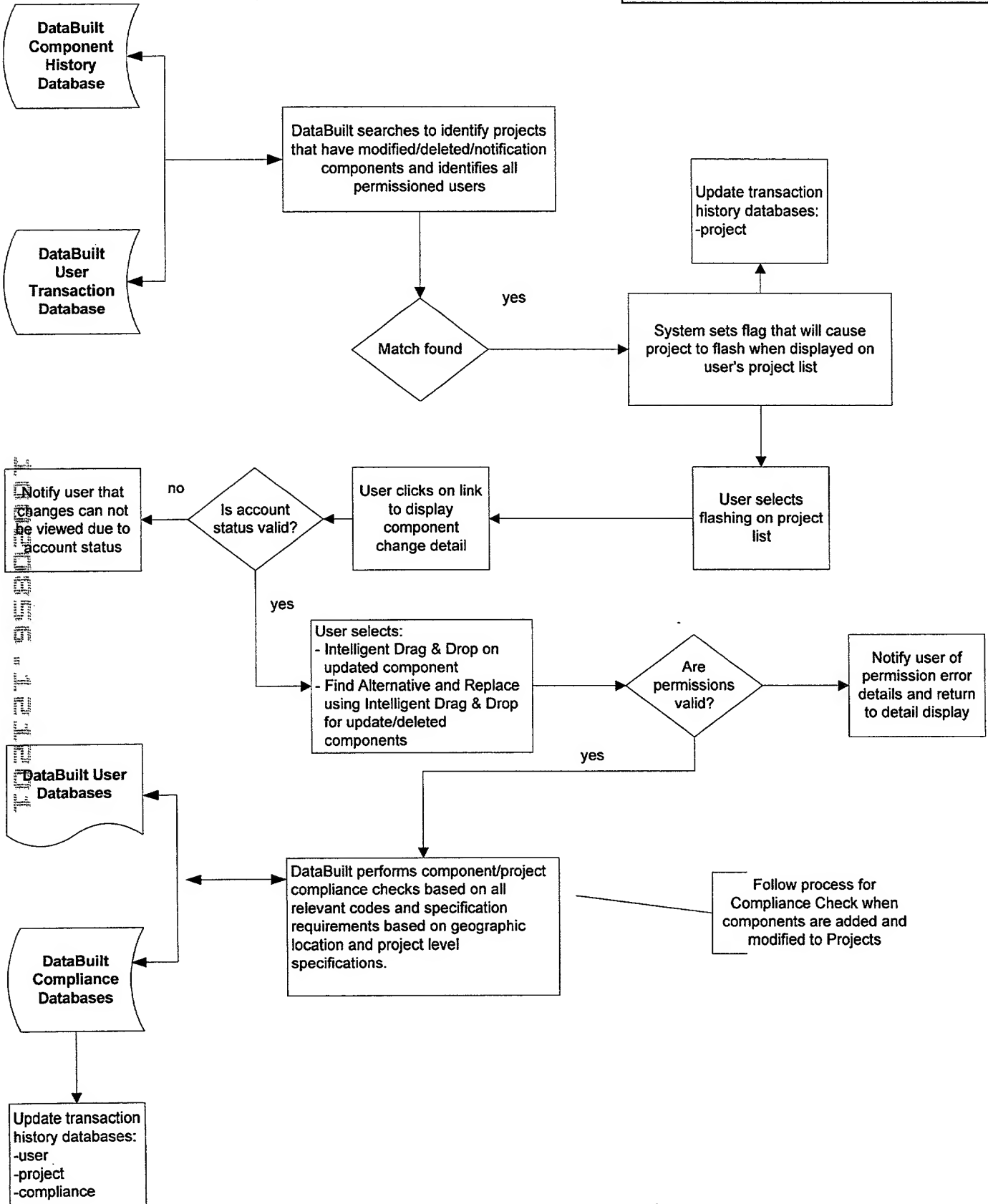
**DataBuilt Generic Components  
Created by User**



PROCESS FLOW: 27

FIG. 23B

# DataBuilt Component Changes Project Alert on User's Project List





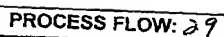


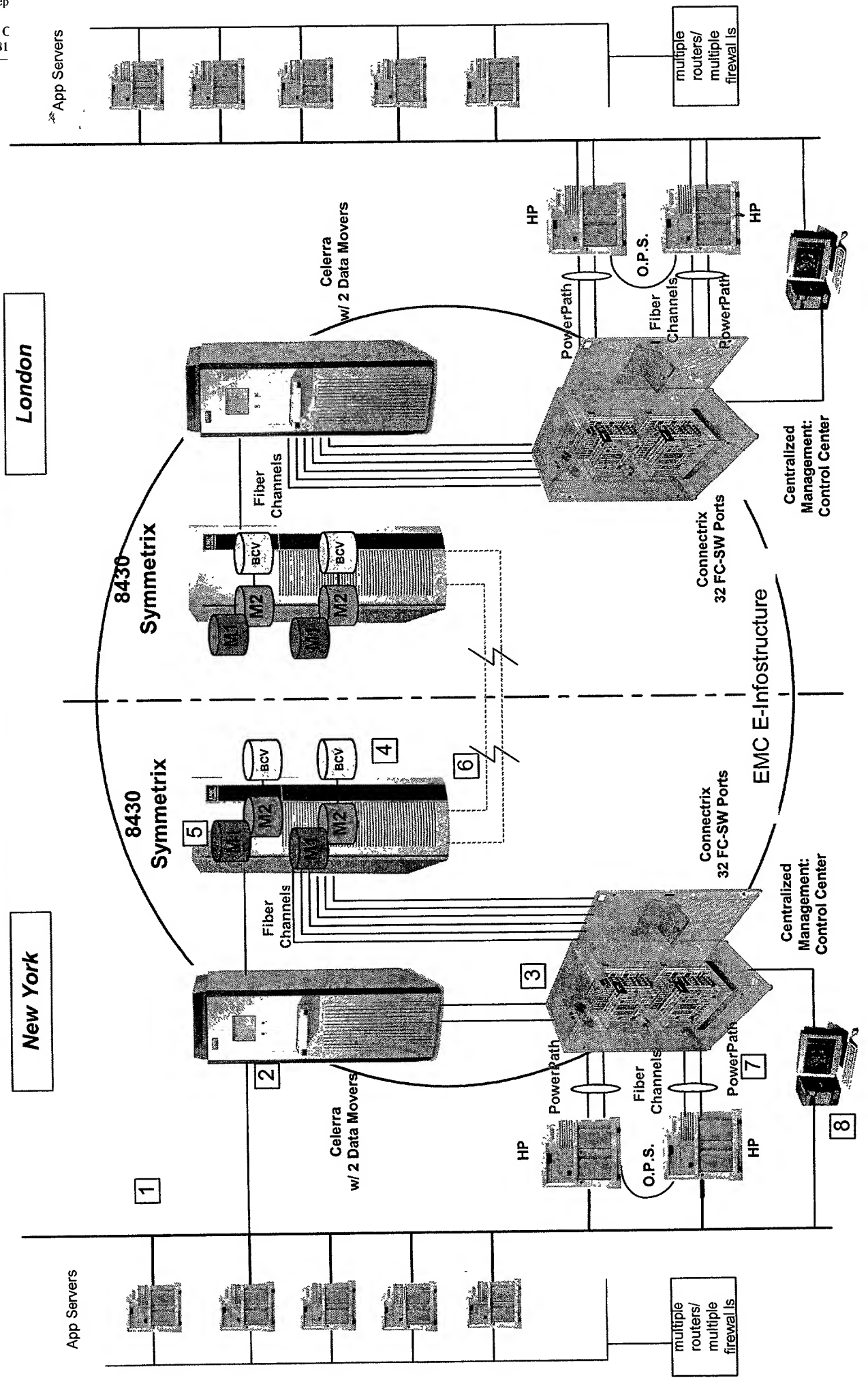
FIG. 24B

1. Boot WebServers from Symmetrix
2. NAS for Scalable Rich Media Storage
3. Fiber Channel Switched Fabric
4. BCV's for Oracle
5. Storage for NAS

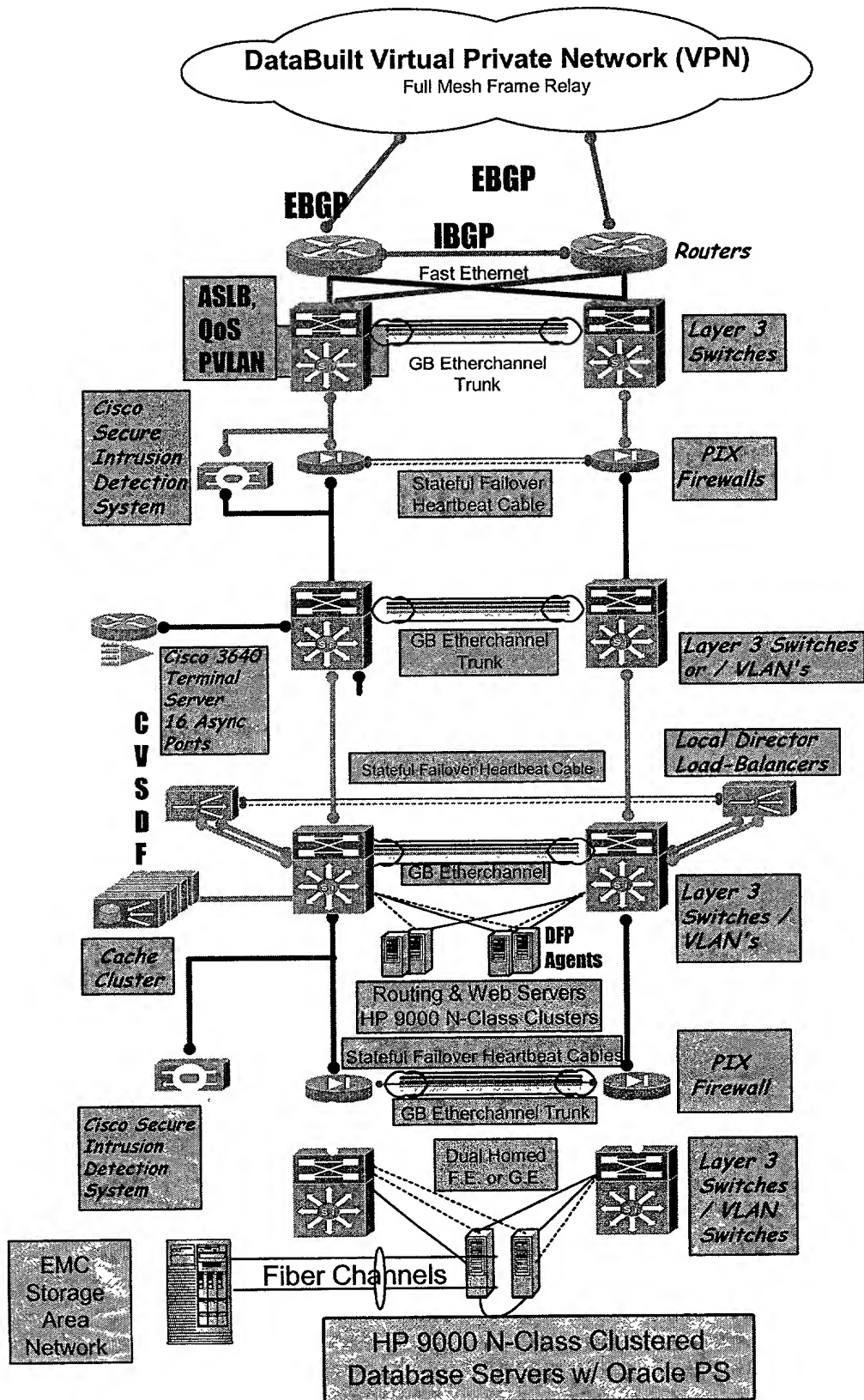
## DataBUILT, Inc. Information Storage Infrastructure

(Note: Database synchronization will be effected through DataBUILT proprietary methods- see LAN diagram)

FIG. 25



# DataBuilt Data Center



# DataBUILT Logical Work Flow Diagram

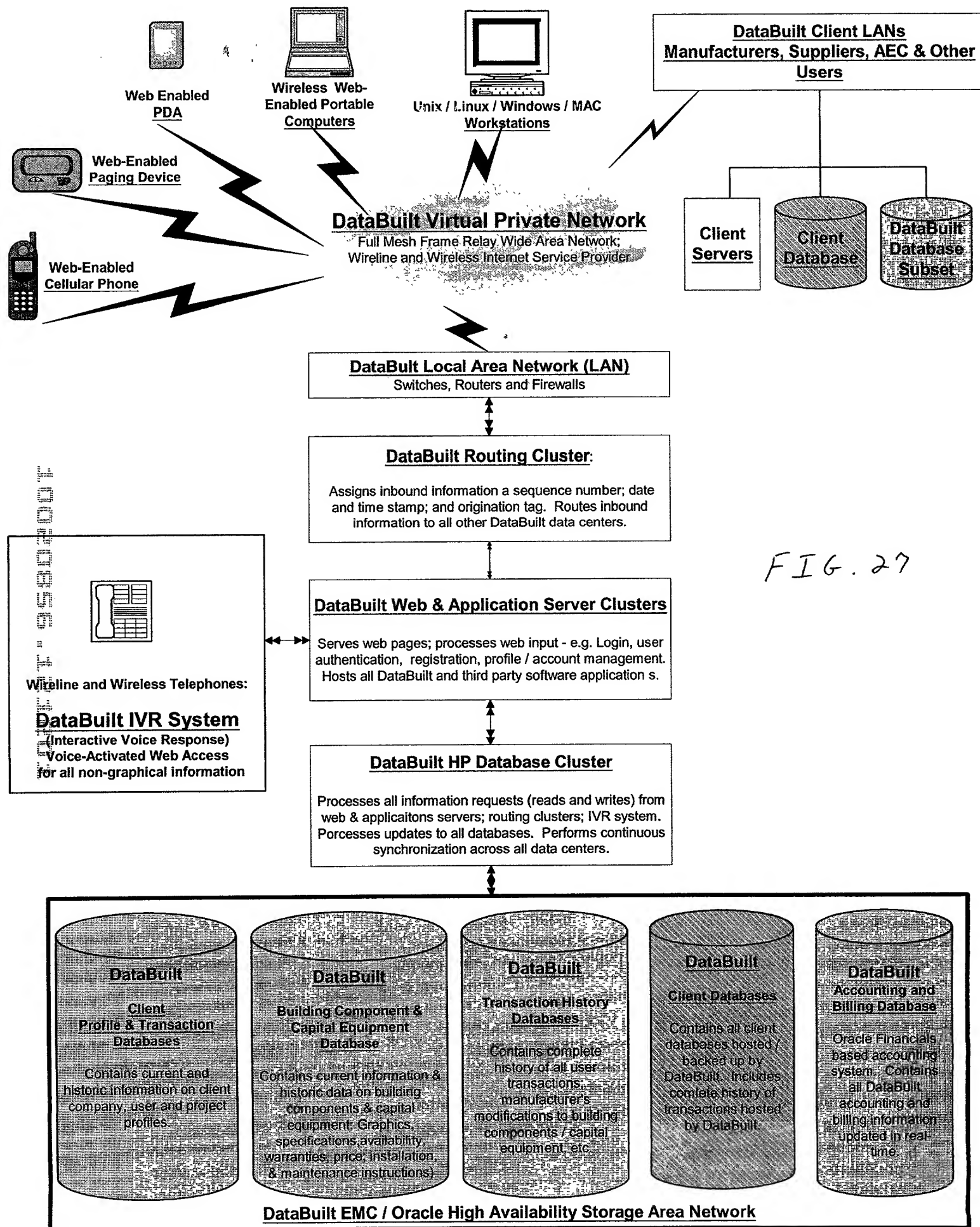


FIG. 27

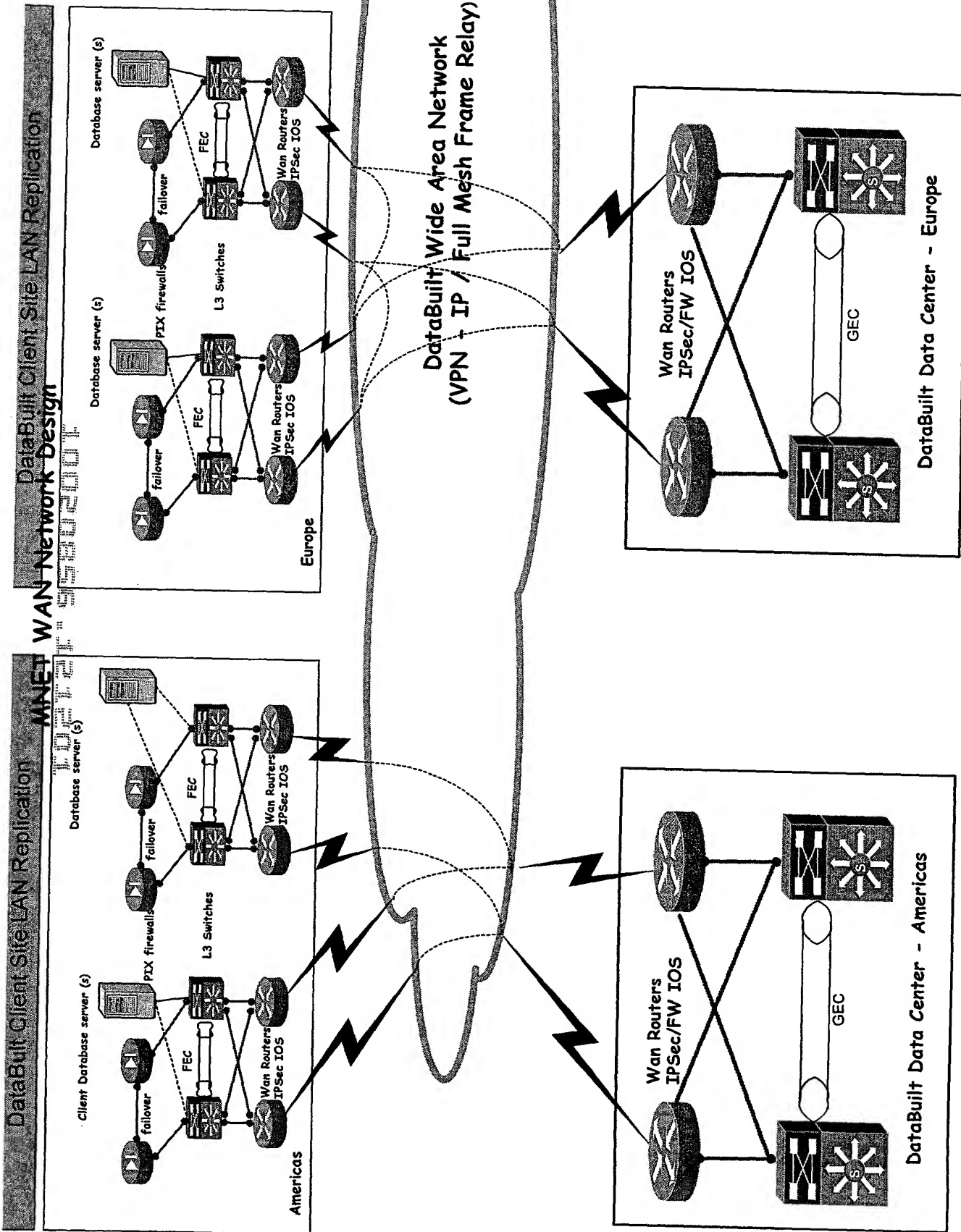


FIG. 28A

**DataBuilt Client Site LAN Replication  
 MNET WAN Network Design**

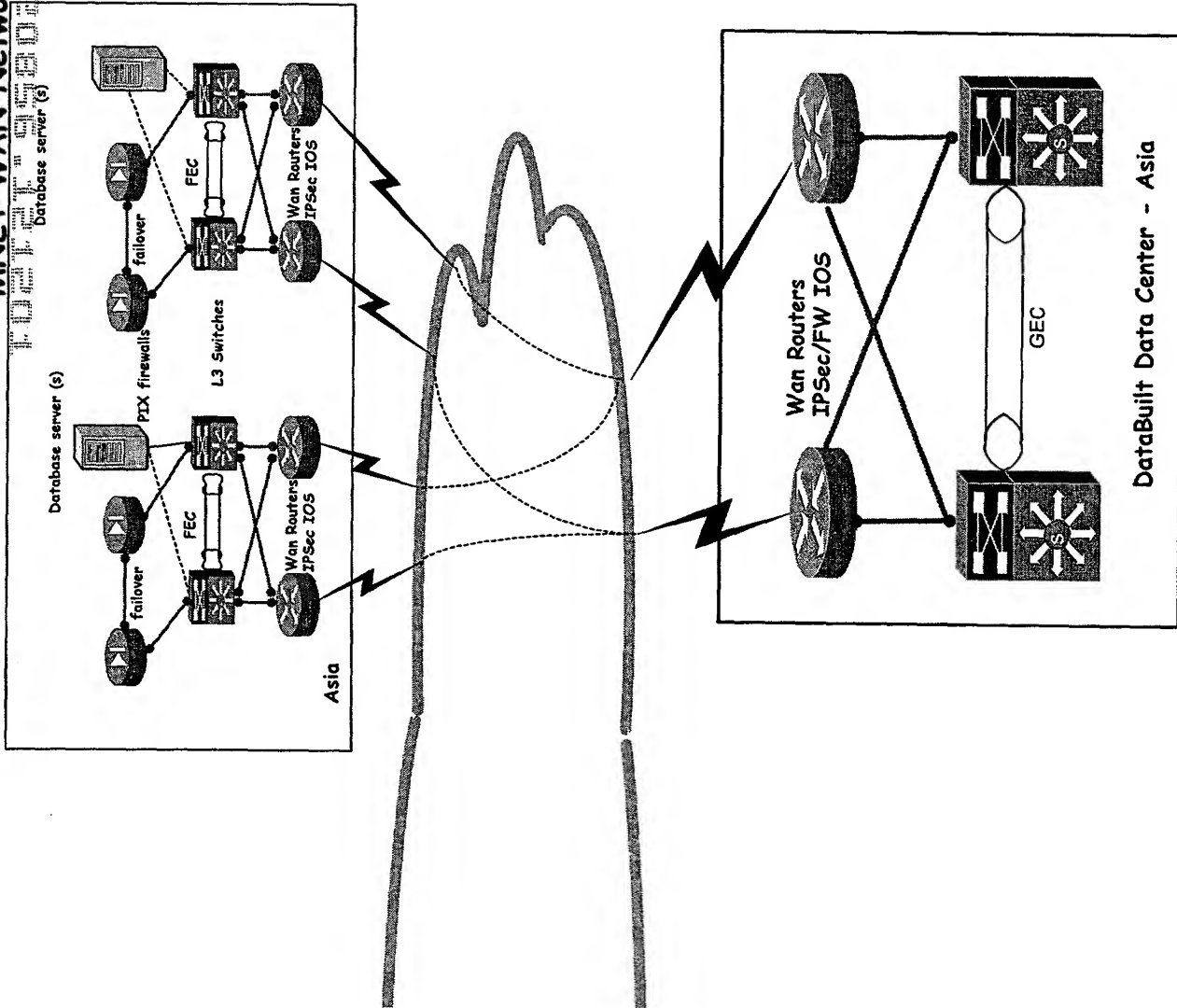


FIG. 28B